

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 3.56992 Seconds
(without alignments)
3522.136 Million cell updates/sec

Title: US-09-942-310-2_COPY_175_215
Perfect score: 41
Sequence: 1 cctatctctactgaaatay.....aaaagctagcgtggtggca 41

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 382724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA.*
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2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	31.6	77.1	9704	4	US-09-814-951A-3
C 2	26.6	64.9	5375	3	US-08-757-223-7
C 3	26.6	64.9	43950	4	US-09-735-934A-3
C 4	26.6	64.9	62804	4	US-09-800-960-3
C 5	26.6	64.9	84495	4	US-09-797-906-3
C 6	26.6	64.9	112132	4	US-09-741-150-3
C 7	25.8	62.9	3568	4	US-09-218-363-3
C 8	25.8	62.9	14747	4	US-09-608-285A-42
C 9	25.8	62.9	15977	4	US-09-608-285A-59
C 10	25.8	62.9	152331	3	US-09-128-155-16
C 11	25.2	61.5	70000	4	US-09-851-896-3
C 12	25	61.0	581	4	US-09-385-982-12
C 13	25	61.0	1001	4	US-09-641-638-376
C 14	25	61.0	1643	4	US-09-701-685-1
C 15	25	61.0	2509	2	US-09-014-969-1
C 16	25	61.0	2892	2	US-08-874-186-44
C 17	25	61.0	3101	4	US-09-602-877A-97
C 18	25	61.0	7620	1	US-07-767-135-1
C 19	25	61.0	7620	1	US-07-841-652-1
C 20	25	61.0	7680	4	US-09-210-748A-3
C 21	25	61.0	8353	3	US-08-611-587-1
C 22	25	61.0	9721	4	US-09-345-217-2
C 23	25	61.0	10079	2	US-08-476-866-20
C 24	25	61.0	35060	3	US-08-814-095-7
C 25	25	61.0	36651	4	US-09-738-894A-3
C 26	25	61.0	50000	4	US-09-146-053-4
C 27	25	61.0	62804	4	US-09-800-960-3

28	25	61.0	84495	4	US-09-797-906-3	Sequence 3, Appli
29	25	61.0	182450	4	US-09-345-882-1	Sequence 1, Appli
c 30	25	61.0	176373	3	US-09-128-155-17	Sequence 17, Appl
31	24.8	60.5	43950	4	US-09-735-934A-3	Sequence 3, Appli
32	24.6	60.0	2598	4	US-09-026-033-18	Sequence 18, Appl
33	24.6	60.0	3441	4	US-09-026-033-17	Sequence 17, Appl
34	24.6	60.0	6987	4	US-09-026-033-3	Sequence 3, Appli
35	24.6	60.0	6990	4	US-09-026-033-23	Sequence 23, Appl
36	24.6	60.0	8342	3	US-08-545-860D-63	Sequence 63, Appl
37	24.6	60.0	8342	5	PCT-US94-04496-63	Sequence 63, Appl
38	24.6	60.0	8392	1	US-08-080-255-6	Sequence 6, Appli
39	24.6	60.0	8392	3	US-08-465-713-6	Sequence 6, Appli
40	24.6	60.0	8392	5	PCT-US93-05857-6	Sequence 6, Appli
41	24.6	60.0	40000	4	US-09-780-049-18	Sequence 18, Appl
42	24.6	60.0	111282	4	US-09-754-250-3	Sequence 3, Appli
c 43	24.4	59.5	434	2	US-08-332-766A-10	Sequence 10, Appl
c 44	24.4	59.5	55827	4	US-09-813-133A-3	Sequence 3, Appli
45	24.2	59.0	1287	4	US-09-564-805-217	Sequence 217, App

ALIGNMENTS

RESULT 1
US-09-814-951A-3/c
; Sequence 3, Application US/09814951A
; Patent No. 6387661
; GENERAL INFORMATION:
; APPLICANT: SHAO, Wei et al
; TITLE OF INVENTION: ISOLATED HUMAN AMINOACYLASE, NUCLEIC
; FILE REFERENCE: CL001179
; CURRENT APPLICATION NUMBER: US/09/814, 951A
; CURRENT FILING DATE: 2001-03-23
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 9704
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-814-951A-3

Query Match 77.1%; Score 31.6; DB 4; Length 9704;
Best Local Similarity 85.0%; Pred. No. 0.0014;
Matches 34; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy	1	CCTATCTCTACTGAAATATAVAAAAAGCTAGACGTGGTGGC	40
Db	8689	CCCGTCTCTACTATAAATACAAAAGCTGGCGTGGTGGC	8650

RESULT 2
US-08-757-223-7/c
; Sequence 7, Application US/08757223
; Patent No. 6136530
; GENERAL INFORMATION:
; APPLICANT: Poduslo, Shirley E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR ASSESSING RISK
; FILE REFERENCE: 13
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Locke Purnell Rain Harrell
; STREET: 2200 Ross Avenue, Suite 2200
; CITY: Dallas
; STATE: Texas
; ZIP: 75201-6776
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/757,223

PS-08-757-223-7

US-03-797-906-3/C
Sequence 3, Application US/09797906
Patent No. 6329188
GENERAL INFORMATION:
APPLICANT: ZIANGHE YAN, Karen A. KETCHUM, Valentina DiFrancesco
TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASES
TITLE OF INVENTION: USES THEREOF

; CURRENT FILING DATE: 2001-03-05
; CURRENT APPLICATION NUMBER: US/09/191,906
; NUMBER OF SEQ ID NOS: 5

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; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSeq for Windows Version 4.0
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; SEQ ID NO 3
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; LENGTH: 84495
;
; TYPE: DNA
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; ORGANISM: Human
;
; FEATURE:
;
; NAME/KEY: misc_feature
;
; LOCATION: (1)..(84495)
;
; OTHER INFORMATION: n = A,T,C or G
US-09-797-906-3

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DD 37408 CCGAIC7CTACTAAAAATACAAAAAGTTAGCCGGG 3/374

RESULT 6
US-09-741-150-3
; Sequence 3, Application US/09741150
; Patent No. 6436689
; GENERAL INFORMATION:

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; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEIN,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEIN,
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL000968
; CURRENT APPLICATION NUMBER: US/09/741,150
; CURRENT FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 112132
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(112132)
; OTHER INFORMATION: n = A,T,C or G
US-09-741-150-3

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Matches 29; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

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RESULT 7
US-09-218-363-3/c
; Sequence 3, Application US/09218363
; Patent No. 6387616
; GENERAL INFORMATION:
; APPLICANT: Ozellus, Laurie J.
; APPLICANT: Breakefield, Xandra O.
; TITLE OF INVENTION: TORSIN, TORSIN GENES, AND METHODS OF USE
; FILE REFERENCE: MGH-1184PA2
; CURRENT APPLICATION NUMBER: US/09/218,363
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: 09/099,454
; EARLIER FILING DATE: 1998-06-18
; EARLIER APPLICATION NUMBER: 60/050,244
; EARLIER FILING DATE: 1997-06-19
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 3568
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (994)...(1863)
; NAME/KEY: misc_feature
; LOCATION: (1)...(3568)
; OTHER INFORMATION: n = A,T,C or G
US-09-218-363-3

Query Match 62.9%; Score 25.8; DB 4; Length 3568;
Best Local Similarity 76.9%; Pred. No. 0.22;
Matches 30; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

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Db 396 CCCGCTCTACTAAATAACAAAAATTAGATGCTGGTGG 358

RESULT 8
US-09-608-285A-42/c
; Sequence 42, Application US/09608285A
; Patent No. 6335013
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; APPLICANT: Yeung, George
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
; FILE REFERENCE: 28110/36570
; CURRENT APPLICATION NUMBER: US/09/608,285A
; CURRENT FILING DATE: 2000-06-30
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 09/583,231
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/557,800
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/481,238
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/370,265
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; NAME/KEY: CDS
; LOCATION: (245)..(461)
; NAME/KEY: CDS
; LOCATION: (1454)..(1533)
; NAME/KEY: CDS
; LOCATION: (2734)..(2877)

Query Match 62.9%; Score 25.8; DB 4; Length 3568;
Best Local Similarity 76.9%; Pred. No. 0.22;
Matches 30; Conservative 1; Mismatches 8; Indels 0; Gaps 0;

QY 1 CCTATCTCTACTGAAATATAYAAAAAGCTAGACGTGGTGG 39
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Db 3310 CCCATCTCTACTAAATAACAAAAATTAGCATGTGG 3272

RESULT 9
US-09-608-285A-59/c
; Sequence 59, Application US/09608285A
; Patent No. 6335013
; GENERAL INFORMATION:
; APPLICANT: Ford, John
; APPLICANT: Mulero, Julio
; APPLICANT: Yeung, George
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE
; FILE REFERENCE: 28110/36570
; CURRENT APPLICATION NUMBER: US/09/608,285A
; CURRENT FILING DATE: 2000-06-30
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 09/583,231
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/557,800
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/481,238
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: 09/370,265
; PRIOR FILING DATE: 1999-08-09
; PRIOR APPLICATION NUMBER: PCT/US99/16180
; PRIOR FILING DATE: 1999-07-16
; PRIOR APPLICATION NUMBER: 09/350,836
; PRIOR FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/273,447
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: 09/244,444
; PRIOR FILING DATE: 1999-02-04
; PRIOR APPLICATION NUMBER: 09/122,449
; PRIOR FILING DATE: 1998-07-24
; PRIOR APPLICATION NUMBER: 09/118,205
; PRIOR FILING DATE: 1998-07-16
; NUMBER OF SEQ ID NOS: 60
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
; LENGTH: 15977
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: CD39-L4/L66 Gene Sequence
; NAME/KEY: CDS
; LOCATION: (245)..(461)
; NAME/KEY: CDS
; LOCATION: (1454)..(1533)
; NAME/KEY: CDS
; LOCATION: (2734)..(2877)
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Search completed: June 14, 2003, 09:34:39
Job time : 6.56992 secs

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3	21.2	51.7	2169	3	US-08-806-326-5
4	21	51.7	10684	3	US-08-611A-100B-3
5	20.8	50.7	1851	2	US-08-414-657D-20
6	20.8	50.7	1851	4	US-09-135-080-5
7	20.6	50.2	70000	4	US-09-851-896-3
8	20.4	49.8	57	1	US-08-222-177A-62
9	20.4	49.8	262	1	US-08-222-177A-46
10	20.4	49.8	564	1	US-08-117-362-32
11	20.4	49.8	564	1	US-08-486-924-32
12	20.4	49.8	900	4	US-09-641-638-439
13	20.4	49.8	1050	1	US-08-599-257-81
14	20.4	49.8	1050	1	US-08-436-074-54
15	20.4	49.8	1050	5	PCR-US96-06352-81
16	20.4	49.8	1050	5	PCR-US96-06583-81
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18	20.4	49.8	3796	2	US-08-762-308-11
19	20.4	49.8	3796	4	US-09-844-634-10
20	20.4	49.8	3813	2	US-08-650-000-3
21	20.4	49.8	3813	6	5395760-3
22	20.4	49.8	4718	3	US-08-936-135-9
23	20.4	49.8	4733	3	US-08-936-135-11
24	20.4	49.8	4769	3	US-08-936-135-13
25	20.4	49.8	4771	2	US-08-866-650-2
26	20.4	49.8	4771	2	US-09-021-287-2
27	20.4	49.8	4771	4	US-09-240-473-2
28	20.4	49.8	4771	4	US-09-240-473-2
29	20.4	49.8	4771	4	US-09-240-473-2
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41	20.4	49.8	4771	4	US-09-240-473-2
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44	20.4	49.8	4771	4	US-09-240-473-2
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47	20.4	49.8	4771	4	US-09-240-473-2
48	20.4	49.8	4771	4	US-09-240-473-2
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50	20.4	49.8	4771	4	US-09-240-473-2
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52	20.4	49.8	4771	4	US-09-240-473-2
53	20.4	49.8	4771	4	US-09-240-473-2
54	20.4	49.8	4771	4	US-09-240-473-2
55	20.4	49.8	4771	4	US-09-240-473-2
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58	20.4	49.8	4771	4	US-09-240-473-2
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60	20.4	49.8	4771	4	US-09-240-473-2
61	20.4	49.8	4771	4	US-09-240-473-2
62	20.4	49.8	4771	4	US-09-240-473-2
63	20.4	49.8	4771	4	US-09-240-473-2
64	20.4	49.8	4771	4	US-09-240-473-2

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; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..2169
; US-08-806-326-5

Query Match 51.7%; Score 21.2; DB 3; Length 2169;
Best Local Similarity 72.2%; Pred. No. 15;
Matches 26; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 1 CTTTGTGTCGGTGATTTCTGCGRTGTGTAATCGTGT 36
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Db 1469 CTCGTGTGTCGTGTCGTGTCGTGTCGTCAGCGTGT 1504

RESULT 4
US-08-618-100B-3
; Sequence 3, Application US/08618100B
; Patent No. 6068976
; GENERAL INFORMATION:
; APPLICANT: Briggs, Michael R.
; APPLICANT: Auwerx, Johan
; APPLICANT: de Vos, Piet
; APPLICANT: Staels, Bart
; APPLICANT: Croston, Glenn E.
; APPLICANT: Miller, Stephen G.
; TITLE OF INVENTION: MODULATORS OF ob GENE AND
; TITLE OF INVENTION: SCREENING METHODS THEREFOR
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/618,100B
; FILING DATE: March 19, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/558,588
; FILING DATE: October 30, 1995
; APPLICATION NUMBER: 08/510,584
; FILING DATE: August 2, 1995
; APPLICATION NUMBER: 08/418,096
; FILING DATE: April 5, 1995
; APPLICATION NUMBER: 08/408,584
; FILING DATE: March 20, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/075
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10684 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; DESCRIPTION: Sequence between exon 1 and exon 2
; Patent No. 6068976
; US-08-618-100B-3

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Query Match      51.2%; Score 21; DB 3; Length 10684;
Best Local Similarity 69.2%; Pred. No. 25;
Matches 27; Conservative 1; Mismatches 11; Indels 0; Gaps 0;
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Qy 2 TTTGTGTGGGTGATTTTCTGCRGTGTAATCGTGTCCT 40
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Db 3733 TGTGTGTGTGTGTGTCTGTGTGTGTGTGTGTGTGTCTCT 3771

RESULT 5

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US-08-414-657D-20
; Sequence 20, Application US/08414657D
; Patent No. 5861283
; GENERAL INFORMATION:
; APPLICANT: Levitt, Pat
; APPLICANT: Pimenta, Aurea
; APPLICANT: Fischer, Itzhak
; APPLICANT: Zhukareva, Victoria
; TITLE OF INVENTION: Limbic System-Associated Membrane
; TITLE OF INVENTION: Protein and DNA
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dechert Price & Rhoads
; STREET: 997 Lenox Drive, Building 3, Suite 210
; CITY: Lawrenceville
; STATE: NJ

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COUNTRY: USA
ZIP: 08543
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/414,657D
FILING DATE: 31-MAR-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: 317743-102
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-520-3214
TELEFAX: 609-520-3259

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/ INDEX:
/ INFORMATION FOR SEQ ID NO: 20:
/ =====
/ SEQUENCE CHARACTERISTICS:
/     LENGTH: 1851 base pairs
/     TYPE: nucleic acid
/     STRANDEDNESS: double
/     TOPOLOGY: linear
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/ FEATURE:
/     NAME/KEY: Coding Sequence
/     LOCATION: 877....1032
/     OTHER INFORMATION:
/
US-08-414-657D-20

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Query Match 50.7%; Score 20.8; DB 2; Length 1851;
Best Local Similarity 73.5%; Pred. No. 21;
Matches 25; Conservative 1; Mismatches 8; Indels 0

QY 2 TTTCGTGGTGATTTTCTGCGTGTGTAATCGTG 35
| | | | | | | | : | | | | |
Dd 1078 TGTGTGTGTGTGTGTGTGTGTGTAAAGTG 11

RESULT 6

US-09-135-080-5
; Sequence 5, Application US/09135080

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; Patent No. 6423827
; GENERAL INFORMATION:
; APPLICANT: Levitt, Pat R.
; APPLICANT: Pimenta, Aurea
; APPLICANT: Fischer, Itzhak
; APPLICANT: Zhukareva, Victoria
; TITLE OF INVENTION: Limbic System-Associated Membrane
; TITLE OF INVENTION: Protein and DNA
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:

```

COORRESPONDENCE ADDRESS:
ADDRESS: Dechert Price & Rhoads
STREET: 997 Lenox Drive, Building 3, Suite 210
CITY: Lawrenceville
STATE: NJ

COUNTRY: USA
ZIP: 08543

```
, ,  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/135,080  
FILING DATE: 17-AUG-1998
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; CLASSIFICATION: 424
;
; PRIOR APPLICATION DATA:
;
; ADDITION NUMBER. 00/414 557

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APPLICATION NUMBER: 08/414,657
FILING DATE: 31-MAR-1995
ATTORNEY/AGENT INFORMATION:

NAME: Bloom, Allen
REGISTRATION NUMBER: 29,135
REFERENCE/DOCKET NUMBER: 317743-102A

REFERENCE/DOCID NUMBER: 500 600 3250
TELECOMMUNICATION INFORMATION:
TELEPHONE: 609-620-3214

TELEFAX: 609-620-3259
TELEX:
INFORMATION FOR SEQ ID NO: 5:

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; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1851 base pairs  
; TYPE: nucleic acid
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; LIFE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear

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; NAME/KEY: Coding Sequence
; LOCATION: 877...1032
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OTHER INFORMATION:
US-09-135-080-5

Query Match	50.7%	Score 20.8;	DB 4;	Length 1851;
Best Local Similarity	73.5%	Pred. No. 21;		
Matches 25; Conservative	1;	Mismatches 8;	Indels 0	

Qy 2 TTGTGTGGTGAATTTCTGCTGTGTAATCGT 35
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Db 1078 TGTGTGTGTGTGTGTGTGTGTGTAATAGT 1111

RESULT 7

US-09-851-896-3/c
; Sequence 3, Application US/09851896
; Patent No. 6410325

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/ GENERAL INFORMATION:
/ APPLICANT: C. Frank Bennett
/ APPLICANT: Susan M. Preter
/ APPLICANT: Andrew T. Watt
/ TITLE OF INVENTION: ANTISENSE MODULATION
/ TITLE OF INVENTION: EXPRESSION
/ FILE REFERENCE: RTS-0220
/ CURRENT APPLICATION NUMBER: US/09/851,856
/ CURRENT FILING DATE: 2001-05-08
/ NUMBER OF SEQ ID NOS: 89
/ SEQ ID NO 3
/ LENGTH: 70000
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; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-851-896-3

Query Match      50.2%; Score 20.6; DB 4; Length 70000;
Best Local Similarity 70.3%; Pred. No. 51;
Matches 26; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY      5 GTGTGGGTGATTTCTGCTGTGTAATCGTGTCCCTG 41
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Db      55508 GTGTGTTTGCATGTGTCATGTGTGGTGTCCATG 55472

RESULT 8
US-08-222-177A-62/c
; Sequence 62, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison
; STATE: Wisconsin
; COUNTRY: USA
; ZIP: 53717-1914
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/222,177A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/341,562
; FILING DATE: 21-APR-1989
; ATTORNEY/AGENT INFORMATION:
; NAME: Sara, Charles S.
; REGISTRATION NUMBER: 30,492
; REFERENCE/DOCKET NUMBER: 09865.601
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (608) 831-2100
; TELEFAX: (608) 831-2106
; TELEX:
; INFORMATION FOR SEQ ID NO: 46:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 262 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; INDIVIDUAL ISOLATE: Caucasian
; TISSUE TYPE: Blood
; IMMEDIATE SOURCE:
; CLONE: Mf684
; POSITION IN GENOME:
; CHROMOSOME/SEGMENT: 12
; FEATURE:
; NAME/KEY: repeat_region
; LOCATION: 172..205
; OTHER INFORMATION: /rpt_type= "tandem"
; OTHER INFORMATION: /rpt_family= "(dc-da)n.(dg-dt)n.(dg-dt)n"
; OTHER INFORMATION: /citation= ([2])
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 126..145
; IDENTIFICATION METHOD: experimental
; OTHER INFORMATION: /evidence= EXPERIMENTAL
; OTHER INFORMATION: /standard_name= "PCR primer"
; OTHER INFORMATION: /citation= ([1])
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: complement (215..236)
; IDENTIFICATION METHOD: experimental
; OTHER INFORMATION: /evidence= EXPERIMENTAL
; OTHER INFORMATION: /standard_name= "PCR primer"
; OTHER INFORMATION: /citation= ([1])
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1..262
; IDENTIFICATION METHOD: experimental
; OTHER INFORMATION: /evidence= EXPERIMENTAL

Query Match      49.8%; Score 20.4; DB 1; Length 57;
Best Local Similarity 67.5%; Pred. No. 15;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY      2 TTTGTGGGTGATTTCTGCTGTGTAATCGTGTCCCTG 41
      ||||| ||||| ||||| ||||| ||
Db      45 TGTGTGTGTGTGTTTGTGCGTGTGTGTGTGTGTG 6

RESULT 9
US-08-222-177A-46/c
; Sequence 46, Application US/08222177A
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; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CP1
; CURRENT APPLICATION NUMBER: US/09/641.638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 439
; LENGTH: 900
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-776-259 : polymorphic base A or G
; NAME/KEY: misc_binding
; LOCATION: 481..500
; OTHER INFORMATION: 12-776-259.mis1, potential
; NAME/KEY: misc_binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-776-259.mis2, potential complement
; NAME/KEY: primer_bind
; LOCATION: 243..263
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 674..692
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-776-259 potential probe
; US-09-641-638-439

Query Match      49.8%; Score 20.4; DB 4; Length 900;
Best Local Similarity 67.5%; Pred. No. 26;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy      2 TTTGTGGGGGATTTCTGTCRTGTGTAATCGTGTCCTG 41
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Db      172 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 133

RESULT 13
US-08-599-252-81
; Sequence 81, Application US/08599252
; Patent No. 5705343
; GENERAL INFORMATION:
; APPLICANT: DRAYNA, DENNIS T.
; APPLICANT: FEDER, JOHN N.
; APPLICANT: GNIRKE, ANDREAS
; APPLICANT: KIMMEL, BRUCE E.
; APPLICANT: THOMAS, WINSTON J.
; APPLICANT: WOLFF, ROGER K.
; TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY
; NUMBER OF SEQUENCES: 124
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Ave. N.W., Suite 5500
; CITY: Washington

; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,074
; FILING DATE: 08-MAY-1995
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 9053-0001.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
```

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; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/599,252
; FILING DATE: 09-FEB-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 9053-0001.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
; TELEFAX: (202) 887-0763
; TELEX: 90-4030
; INFORMATION FOR SEQ ID NO: 81:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1050 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-599-252-81

Query Match      49.8%; Score 20.4; DB 1; Length 1050;
Best Local Similarity 67.5%; Pred. No. 27;
Matches 27; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy      2 TTTGTGGGGGATTTCTGTCRTGTGTAATCGTGTCCTG 41
        | | | | | | | | | | | | | | | | | | | |
Db      521 TGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTG 560

RESULT 14
US-08-436-074-54
; Sequence 54, Application US/08436074
; Patent No. 5753438
; GENERAL INFORMATION:
; APPLICANT: DRAYNA, DENNIS T.
; APPLICANT: FEDER, JOHN N.
; APPLICANT: GNIRKE, ANDREAS
; APPLICANT: KIMMEL, BRUCE E.
; APPLICANT: THOMAS, WINSTON J.
; APPLICANT: WOLFF, ROGER K.
; TITLE OF INVENTION: METHOD TO DIAGNOSE HEREDITARY
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 2000 Pennsylvania Ave. N.W., Suite 5500
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20006-1888
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/436,074
; FILING DATE: 08-MAY-1995
; CLASSIFICATION: 436
; ATTORNEY/AGENT INFORMATION:
; NAME: MURASHIGE, KATE H.
; REGISTRATION NUMBER: 29,959
; REFERENCE/DOCKET NUMBER: 9053-0001.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 887-1500
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 4.44063 seconds
(without alignments)
3522.136 Million cell updates/sec

Title: US-09-942-310-2_COPY_5_55

Perfect score: 51

Sequence: 1 tcaagaccagcctggacaac.....sggtctctacaaaaataaca 51

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Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
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C 2	42.6	83.5	12047	4	US-09-033-556-3
C 3	41	80.4	16389	4	US-09-741-154-3
C 4	41	80.4	17327	1	US-07-906-871-15
C 5	41	80.4	36159	4	US-09-749-588-3
C 6	41	80.4	45546	4	US-09-146-053-6
C 7	41	80.4	59065	4	US-09-813-817-3
C 8	41	80.4	59065	4	US-09-978-197-3
C 9	41	80.4	162450	4	US-09-345-882-1
C 10	39.4	77.3	282	1	US-08-133-629-8
C 11	39.4	77.3	327	1	US-08-741-406-6
C 12	39.4	77.3	327	3	US-09-024-472-6
C 13	39.4	77.3	361	4	US-09-018-584A-16
C 14	39.4	77.3	372	4	US-09-018-584A-15
C 15	39.4	77.3	488	4	US-09-385-982-471
C 16	39.4	77.3	901	1	US-08-832-883-65
C 17	39.4	77.3	901	2	US-08-832-877-65
C 18	39.4	77.3	1278	2	US-08-909-965C-4
C 19	39.4	77.3	1699	4	US-08-927-165A-5
C 20	39.4	77.3	2612	4	US-09-484-970B-142
C 21	39.4	77.3	2896	2	US-08-709-923-1
C 22	39.4	77.3	3565	1	US-08-578-649-3
C 23	39.4	77.3	3627	4	US-09-323-873A-6
C 24	39.4	77.3	3865	1	US-08-832-883A-48
C 25	39.4	77.3	3865	2	US-08-832-877-48
C 26	39.4	77.3	11558	5	PCT-US93-06251-23
C 27	39.4	77.3	12394	4	US-09-488-856A-10

28	39.4	77.3	14796	4	US-08-975-080-35	Sequence 35, Appl
29	39.4	77.3	14796	4	US-09-630-706-10	Sequence 10, Appl
30	39.4	77.3	14796	4	US-09-496-694B-3	Sequence 3, Appl
c 31	39.4	77.3	18073	4	US-09-078-294-12	Sequence 12, Appl
32	39.4	77.3	28720	4	US-09-341-587-7	Sequence 7, Appl
c 33	39.4	77.3	35060	3	US-08-814-095-7	Sequence 7, Appl
c 34	39.4	77.3	35060	3	US-08-814-095-7	Sequence 7, Appl
c 35	39.4	77.3	40000	4	US-09-780-049-18	Sequence 18, Appl
c 36	39.4	77.3	43950	4	US-09-735-934A-3	Sequence 3, Appl
c 37	39.4	77.3	50000	4	US-09-146-053-3	Sequence 3, Appl
c 38	39.4	77.3	62804	4	US-09-800-960-3	Sequence 3, Appl
c 39	39.4	77.3	70000	4	US-09-851-896-3	Sequence 3, Appl
c 40	39.4	77.3	70000	4	US-09-851-896-3	Sequence 3, Appl
c 41	39.4	77.3	84495	4	US-09-797-906-3	Sequence 3, Appl
c 42	39.4	77.3	87350	3	US-08-781-891-79	Sequence 79, Appl
c 43	39.4	77.3	87543	4	US-09-791-211-3	Sequence 3, Appl
c 44	39.4	77.3	98844	4	US-09-791-211-10	Sequence 10, Appl
c 45	39.4	77.3	99500	4	US-09-798-096-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-022-461-1/c
; Sequence 1, Application US/09022461
; Patent No. 5964371
; GENERAL INFORMATION:
; APPLICANT: HENDERSON, Daniel R.
; APPLICANT: SCHUUR, Eric R.
; APPLICANT: LAMPARSKI, Henry G.
; APPLICANT: YU, De Chao
; TITLE OF INVENTION: PROSTATE CANCER DRUG SCORE
; TITLE OF INVENTION: ENING
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/022,461
; FILING DATE: 12-FEB-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/906,192
; FILING DATE: 04-AUG-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Catherine, Polizzi M
; REGISTRATION NUMBER: 40,130
; REFERENCE/DOCKET NUMBER: 34802-20003.21
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-813-5600
; TELEFAX: 415-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12047 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-022-461-1

Query Match 83.5%; Score 42.6; DB 2; Length 12047;
Best Local Similarity 88.2%; Pred. No. 3, 1e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

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Db 1985 TCAAGACGACCTGGCCACATGGCAAAACCCCGTCTCTACAAAAAATACA 1935

RESULT 2
US-09-033-556-3/c
; Sequence 3, Application US/09033556
; Patent No. 6432700
; GENERAL INFORMATION:
; APPLICANT: Henderson, Daniel R.
; TITLE OF INVENTION: ADENOVIRUS VECTORS CONTAINING
; TITLE OF INVENTION: HETEROLOGOUS TRANSCRIPTION REGULATORY ELEMENTS AND METHODS
; TITLE OF INVENTION: OF USING SAME
; NUMBER OF SEQUENCES: 41
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/033,556
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Catherine, Polizzi M
; REGISTRATION NUMBER: 40,130
; REFERENCE/DOCKET NUMBER: 34802-20010.00
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-813-5600
; TELEFAX: 650-494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 12047 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-09-033-556-3

Query Match 83.5%; Score 42.6; DB 4; Length 12047;
Best Local Similarity 88.2%; Pred. No. 3.1e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGACCTGGACAACTTGGAGAACCSGGTCTCTACAAAAAATACA 51
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Db 1985 TCAAGACGACCTGGCCACATGGCAAAACCCCGTCTCTACAAAAAATACA 1935

RESULT 3
US-09-741-154-3/c
; Sequence 3, Application US/09741154
; Patent No. 6437110
; GENERAL INFORMATION:
; APPLICANT: BEASLEY, Ellen M. et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL0001061
; CURRENT APPLICATION NUMBER: US/09/741,154
; CURRENT FILING DATE: 2000-12-21
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; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16389
; TYPE: DNA
; ORGANISM: Human
; US-09-741-154-3

Query Match 80.4%; Score 41; DB 4; Length 16389;
Best Local Similarity 86.3%; Pred. No. 1.4e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

QY 1 TCAAGACGACCTGGACAACTTGGAGAACCSGGTCTCTACAAAAAATACA 51
    ||||||||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 455 TCAAGACGACCTGGCCACATGGCAAAACCCCGTCTCTACTAAAAAATACA 405

RESULT 4
US-07-906-871-15/c
; Sequence 15, Application US/07906871
; Patent No. 5340739
; GENERAL INFORMATION:
; APPLICANT: Stevens, Richard L.
; APPLICANT: Avraham, Shalom
; TITLE OF INVENTION: HEMATOPOIETIC CELL SPECIFIC
; TITLE OF INVENTION: TRANSCRIPTIONAL REGULATORY ELEMENTS OF SERGLYCIN AND USES
; TITLE OF INVENTION: THEREOF
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1225 Connecticut Avenue, N.W., Suite 300
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,871
; FILING DATE: 19920103
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/816,289
; FILING DATE: 03 JAN 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/635,544
; FILING DATE: 18-JAN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US89/03051
; FILING DATE: 13-JUL-1989
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/224,035
; FILING DATE: 13-JUL-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Cimbala, Michele A
; REGISTRATION NUMBER: 33,851
; REFERENCE/DOCKET NUMBER: 0627.2830004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)833-7533
; TELEFAX: (202)833-8716
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17327 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: both
; TOPOLOGY: linear
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: exon
; LOCATION: 621..753
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```
;
; FEATURE:
; NAME/KEY: intron
; LOCATION: 754..9596
; FEATURE:
; NAME/KEY: exon
; LOCATION: 9597..9744
; FEATURE:
; NAME/KEY: intron
; LOCATION: 9745..16396
; FEATURE:
; NAME/KEY: exon
; LOCATION: 16397..17327
US-07-906-871-15

Query Match      80.4%; Score 41; DB 1; Length 17327;
Best Local Similarity 86.3%; Pred. No. 1.4e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGCCGGTCTCTACAAAAAATACA 51
|||||
Db 13706 TCAAGACGAGCTGGTCAACATGGCAAAACCCCGTCTCTACAAAAAATACA 13656

RESULT 5
US-09-749-588-3
; Sequence 3, Application US/09749588
; Patent No. 6423521
; GENERAL INFORMATION:
; APPLICANT: CHANDRAMOULISWARAN, Ishwar et al
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001068
; CURRENT APPLICATION NUMBER: US/09/749,588
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 36159
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(36159)
; OTHER INFORMATION: n = A,T,C or G
US-09-749-588-3

Query Match      80.4%; Score 41; DB 4; Length 36159;
Best Local Similarity 86.3%; Pred. No. 1.7e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGCCGGTCTCTACAAAAAATACA 51
|||||
Db 32026 TCAAGACGAGCTGGCCAAATGCGCAAGCCCTGTCTCTACTATAAAATACA 32076

RESULT 6
US-09-146-053-6
; Sequence 6, Application US/09146053A
; Patent No. 6399349
; GENERAL INFORMATION:
; APPLICANT: Ryan, James W.
; APPLICANT: Sprinkle, Terry Joe Curtis
; APPLICANT: Venema, Richard C.
; TITLE OF INVENTION: Human Aminopeptidase P Gene
; FILE REFERENCE: MCG103
; CURRENT APPLICATION NUMBER: US/09/146,053A
; CURRENT FILING DATE: 1998-09-02
; EARLIER APPLICATION NUMBER: 60/057,854
; EARLIER FILING DATE: 1997-09-02
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
```

```
;
; LENGTH: 45546
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-146-053-6

Query Match      80.4%; Score 41; DB 4; Length 45546;
Best Local Similarity 86.3%; Pred. No. 1.8e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGCCGGTCTCTACAAAAAATACA 51
|||||
Db 39107 TCAAGACGAGCTGGCAACATGTGAAACCCCTGTCTCTACAAAAAATACA 39157

RESULT 7
US-09-813-817-3/c
; Sequence 3, Application US/09813817
; Patent No. 6340583
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178
; CURRENT APPLICATION NUMBER: US/09/813,817
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
; US-09-813-817-3

Query Match      80.4%; Score 41; DB 4; Length 59065;
Best Local Similarity 86.3%; Pred. No. 1.9e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGCCGGTCTCTACAAAAAATACA 51
|||||
Db 49921 TCAAGACGAGCTGGCCAAATGCGCAAAACCCCTGTCTCTACTATAAAATACA 49871

RESULT 8
US-09-978-197-3/c
; Sequence 3, Application US/09978197
; Patent No. 6403353
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178DIV
; CURRENT APPLICATION NUMBER: US/09/978,197
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/813,817
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
; US-09-978-197-3

Query Match      80.4%; Score 41; DB 4; Length 59065;
Best Local Similarity 86.3%; Pred. No. 1.9e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGCCGGTCTCTACAAAAAATACA 51
|||||
Db 49921 TCAAGACGAGCTGGCCAAATGCGCAAAACCCCTGTCTCTACTATAAAATACA 49871

RESULT 9
US-09-978-197-3/c
; Sequence 3, Application US/09978197
; Patent No. 6403353
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178DIV
; CURRENT APPLICATION NUMBER: US/09/978,197
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/813,817
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
; US-09-978-197-3

Query Match      80.4%; Score 41; DB 4; Length 59065;
Best Local Similarity 86.3%; Pred. No. 1.9e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACGAGCTGGACAACTTGAAGAAGCCGGTCTCTACAAAAAATACA 51
|||||
Db 49921 TCAAGACGAGCTGGCCAAATGCGCAAAACCCCTGTCTCTACTATAAAATACA 49871
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RESULT 9

US-09-345-882-1
; Sequence 1, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
; APPLICANT: Bouqueleret, Lydie
; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
; FILE OF INVENTION: AND POLYMORPHIC MARKERS ASSOCIATED WITH SAID NUCLEIC ACID.
; TITLE REFERENCE: GENSET.031A
; CURRENT APPLICATION NUMBER: US/09/345,882
; CURRENT FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: US 60/091,315
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/111,909
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 162450
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 72794
; OTHER INFORMATION: 5-124-273 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 88073
; OTHER INFORMATION: 5-127-261 : polymorphic base A or C
; FEATURE:
; NAME/KEY: allele
; LOCATION: 90842
; OTHER INFORMATION: 99-1437-325 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 93714
; OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97122
; OTHER INFORMATION: 99-1442-224 : polymorphic base G or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97152
; OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99098
; OTHER INFORMATION: 5-130-257 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99117
; OTHER INFORMATION: 5-130-276 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103806
; OTHER INFORMATION: 5-131-395 : polymorphic base A or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106940
; OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108106
; OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108149
; OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108308

OTHER INFORMATION: 5-135-357 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 108471
OTHER INFORMATION: 5-136-174 : polymorphic base C or T
FEATURE:
NAME/KEY: allele
LOCATION: 134134
OTHER INFORMATION: 5-140-120 : polymorphic base C or T
FEATURE:
NAME/KEY: allele
LOCATION: 134362
OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A
FEATURE:
NAME/KEY: allele
LOCATION: 134374
OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA
FEATURE:
NAME/KEY: allele
LOCATION: 146328
OTHER INFORMATION: 5-143-84 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 146345
OTHER INFORMATION: 5-143-101 : polymorphic base A or C
FEATURE:
NAME/KEY: allele
LOCATION: 150329
OTHER INFORMATION: 5-145-24 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 160031
OTHER INFORMATION: 5-148-352 : polymorphic base G or T
FEATURE:
NAME/KEY: allele
LOCATION: 72771..72817
OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30
FEATURE:
NAME/KEY: allele
LOCATION: 72771..72817
OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51
FEATURE:
NAME/KEY: allele
LOCATION: 88050..88096
OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31
FEATURE:
NAME/KEY: allele
LOCATION: 88050..88096
OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70
FEATURE:
NAME/KEY: allele
LOCATION: 93690..93736
OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32
FEATURE:
NAME/KEY: allele
LOCATION: 93690..93736
OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53
FEATURE:
NAME/KEY: allele
LOCATION: 97099..97145
OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
FEATURE:
NAME/KEY: allele
LOCATION: 97099..97145
OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71

FEATURE:
NAME/KEY: allele
LOCATION: 97130..97177
OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
FEATURE:
NAME/KEY: allele
LOCATION: 97130..97177
OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54
FEATURE:
NAME/KEY: allele
LOCATION: 99075..99121
OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
FEATURE:
NAME/KEY: allele
LOCATION: 99075..99121
OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55
FEATURE:
NAME/KEY: allele
LOCATION: 99094..99140
OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
FEATURE:
NAME/KEY: allele
LOCATION: 99094..99140
OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56
FEATURE:
NAME/KEY: allele
LOCATION: 103783..103828
OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36
FEATURE:
NAME/KEY: allele
LOCATION: 103783..103828
OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57
FEATURE:
NAME/KEY: allele
LOCATION: 106918..106966
OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
FEATURE:
NAME/KEY: allele
LOCATION: 106918..106966
OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID58
FEATURE:
NAME/KEY: allele
LOCATION: 108084..108130
OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
FEATURE:
NAME/KEY: allele
LOCATION: 108084..108130
OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID59
FEATURE:
NAME/KEY: allele
LOCATION: 108127..108177
OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
FEATURE:
NAME/KEY: allele
LOCATION: 108127..108177
OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
FEATURE:

Query Match 80.4%; Score 41; DB 4; Length 162450;
Best Local Similarity 86.3%; Pred. No. 2.5e-06;
Matches 44; Conservative 1; Mismatches 6; Indels 0; Gaps 0;

Qy 1 TCAAGACCGCTGGACAACTTGGAGAACCCGGTCTCTACAAAAATACA 51
|||||
Db 148001 TCAAGACCGCTGGACAACTTGGAGAACCCGGTCTCTACAAAAATACA 148051

RESULT 10
US-08-133-629-8
; Sequence 8, Application US/08133629
; Patent No. 5597694
; GENERAL INFORMATION:
; APPLICANT: Munroe, David J.

APPLICANT: Housman, David E.
TITLE OF INVENTION: AMPLIFICATION OF NUCLEIC ACIDS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: Massachusetts
COUNTRY: United States of America
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/133,629
FILING DATE: 07-OCT-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Greer, Helen
REGISTRATION NUMBER: 36,816
REFERENCE/DOCKET NUMBER: M0828/7001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-3500
TELEFAX: 617-720-2441
TELEX: 92-1742 EZEKIEL
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 282 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-133-629-8

Query Match 77.3%; Score 39.4; DB 1; Length 282;
Best Local Similarity 84.3%; Pred. No. 1.9e-06;
Matches 43; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

Qy 1 TCAAGACCGCTGGACAACTTGGAGAACCCGGTCTCTACAAAAATACA 51
|||||
Db 79 TCAAGACCGCTGGACAACTTGGAGAACCCGGTCTCTACAAAAATACA 129

RESULT 11
US-08-741-406-6
; Sequence 6, Application US/08741406
; Patent No. 5721118
; GENERAL INFORMATION:
; APPLICANT: Scheffler, Immo E.
; TITLE OF INVENTION: Mammalian Artificial Chromosomes and
; TITLE OF INVENTION: Methods of Using Same
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/741,406
FILING DATE:
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/550,717
FILING DATE: 31-OCT-1995
ATTORNEY/AGENT INFORMATION:

NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-UD 2317
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 327 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-741-406-6

Query Match 77.3%; Score 39.4; DB 1; Length 327;
Best Local Similarity 84.3%; Pred. No. 2e-06;
Matches 43; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACTTGGTGAACCCCTGCTCTACTATAAATACA 51
DB 171 TCGAGACGAGCTGGCAACTTGGTGAACCCCTGCTCTACTATAAATACA 221

RESULT 12
US-09-024-472-6
Sequence 6, Application US/09024472
Patent No. 6133503
GENERAL INFORMATION:
APPLICANT: Scheffler, Immo E.
TITLE OF INVENTION: Mammalian Artificial Chromosomes and
METHODS OF USING SAME
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,472
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION NUMBER: US/08/741,406
APPLICATION NUMBER: US 08/550,717
FILING DATE:
FILING DATE: 31-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-UD 2317
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 327 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-024-472-6

Query Match 77.3%; Score 39.4; DB 3; Length 327;
Best Local Similarity 84.3%; Pred. No. 2e-06;
Matches 43; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACTTGGTGAACCCCTGCTCTACTATAAATACA 51

DB 171 TCGAGACGAGCTGGCAACTTGGTGAACCCCTGCTCTACTATAAATACA 221
RESULT 13
US-09-018-584A-16
Sequence 15, Application US/09018584A
Patent No. 6238863
GENERAL INFORMATION:
APPLICANT: Schumm, James W.
APPLICANT: Bacher, Jeffery W.
TITLE OF INVENTION: MATERIALS AND METHODS FOR
IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
REPEAT DNA MARKERS
NUMBER OF SEQUENCES: 147
CORRESPONDENCE ADDRESS:
ADDRESSEE: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/018,584A
FILING DATE: 04-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
REGISTRATION NUMBER: 29,018
REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 361 bp
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Circular
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: no
IMMEDIATE SOURCE:
LIBRARY: plasmid, pGem3zf(+)
CLONE: G153
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 8 qter
US-09-018-584A-16

Query Match 77.3%; Score 39.4; DB 4; Length 361;
Best Local Similarity 84.3%; Pred. No. 2.1e-06;
Matches 43; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACTTGGTGAACCCCTGCTCTACTATAAATACA 51
DB 21 TCCAGACGAGCTGGCAACATGGCAAAACCCCGTCTCTACTATAAATACA 71

RESULT 14
US-09-018-584A-15
Sequence 15, Application US/09018584A
Patent No. 6238863
GENERAL INFORMATION:
APPLICANT: Schumm, James W.
APPLICANT: Bacher, Jeffery W.
TITLE OF INVENTION: MATERIALS AND METHODS FOR
IDENTIFYING AND ANALYZING INTERMEDIATE TANDEM
REPEAT DNA MARKERS
NUMBER OF SEQUENCES: 147


```

CORRESPONDENCE ADDRESS:
ADDRESSEE: Promega Corporation
STREET: 2800 Woods Hollow Road
CITY: Madison
STATE: Wisconsin
COUNTRY: U.S.A.
ZIP: 53711-5399
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette - 3.5 inch, 1.44 Mb
COMPUTER: IBM compatible PC
OPERATING SYSTEM: Windows 95
SOFTWARE: Word 97 (DOS text format)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/018,584A
FILING DATE: 04-Feb-1998
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Grady J. Frenchick
REGISTRATION NUMBER: 29,018
REFERENCE/DOCKET NUMBER: 16026.9180
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 257-3501
TELEFAX: (608) 257-2275
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 372 bp
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Circular
MOLECULE TYPE: Genomic DNA
HYPOTHETICAL: no
IMMEDIATE SOURCE:
LIBRARY: plasmid, pgem3zf(+)
CLONE: G152
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 8 qter
US-09-018-584A-15

Query Match 77.3%; Score 39.4; DB 4; Length 372;
Best Local Similarity 84.3%; Pred. No. 2.1e-06;
Matches 43; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 1 TCAAGACCACCCCTGGACAACTTGGAGAACCCSGGTCTCTACAAAAAATACA 51
   || ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 21 TCCAGACCACGCTTGGCCACATGGCAAAACCCGCTCTCTACTAAAAAATACA 71

RESULT 15
US-09-385-982-471/c
; Sequence 471, Application US/09385982
; Patent No. 6262334
; GENERAL INFORMATION:
; APPLICANT: ENDEGE, WILSON O., ET AL.
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; FILE REFERENCE: CCDNA-260XX
; CURRENT APPLICATION NUMBER: US/09/385,982
; CURRENT FILING DATE: 1999-08-30
; EARLIER APPLICATION NUMBER: 09/328,111
; EARLIER FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: 60/117,393
; EARLIER FILING DATE: 1999-01-27
; EARLIER APPLICATION NUMBER: 60/098,639
; EARLIER FILING DATE: 1998-08-31
; NUMBER OF SEQ ID NOS: 544
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 488
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(488)

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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 146.28 Seconds
(without alignments)
3522.136 Million cell updates/sec

Title: US-09-942-310-2

Perfect score: 1680

Sequence: 1 gaattcaagaccagctgga.....catcttcctgcctcgtggtg 1680

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Watch 100%

Listing first 45 summaries

Database : Issued_Patents_NA.*

- 1: /cgn2.6/ptodata/1/ina/5A_COMB.seq.*
- 2: /cgn2.6/ptodata/1/ina/5A_COMB.seq.*
- 3: /cgn2.6/ptodata/1/ina/6A_COMB.seq.*
- 4: /cgn2.6/ptodata/1/ina/6B_COMB.seq.*
- 5: /cgn2.6/ptodata/1/ina/6B_COMB.seq.*
- 6: /cgn2.6/ptodata/1/ina/6B_COMB.seq.*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	250	14.9	10684	3	US-08-618-100B-3
2	244.2	14.5	62804	4	US-09-800-960-3
3	233.6	13.9	11531	1	US-08-068-945A-1
4	233.6	13.9	11531	1	US-08-442-806-1
5	232.8	13.9	15297	4	US-09-817-180-3
6	229	13.6	4192	4	US-09-122-126B-1
7	215.4	12.8	246240	2	US-08-724-394A-20
8	215.4	12.8	246240	2	US-08-724-394A-21
9	215.4	12.8	246240	2	US-08-724-394A-22
10	215.2	12.8	6235	4	US-09-305-384-5
11	215.2	12.8	6679	4	US-09-305-384-1
12	215	12.8	11811	4	US-09-078-294-7
13	214.6	12.8	8174	1	US-07-914-281-5
14	214.6	12.8	8174	1	US-08-393-246-5
15	214.6	12.8	8174	1	US-08-525-058A-5
16	214.6	12.8	8174	2	US-08-696-731-5
17	214.6	12.8	8174	4	US-09-042-531-5
18	214.6	12.8	8174	5	PCT-US91-00899-3
19	214.4	12.8	43950	4	US-09-735-934A-3
20	213.8	12.7	162450	4	US-09-345-882-1
21	212.2	12.6	162450	4	US-09-345-882-1
22	211.8	12.6	99500	4	US-09-798-096-10
23	208.8	12.4	59065	4	US-09-813-817-3
24	208.8	12.4	59065	4	US-09-978-197-3
25	207.2	12.3	70000	4	US-09-851-896-3
26	206.2	12.3	112132	4	US-09-741-150-3
27	203.2	12.1	98844	4	US-09-791-211-10

C 28	203	12.1	9365	4	US-09-608-285A-8	Sequence 8, Appl1
C 29	203	12.1	9365	4	US-09-350-836B-8	Sequence 8, Appl1
C 30	203	12.1	9365	4	US-09-370-265-8	Sequence 8, Appl1
C 31	203	12.1	14747	4	US-09-608-285A-42	Sequence 42, Appl1
C 32	203	12.1	15977	4	US-09-608-285A-59	Sequence 59, Appl1
C 33	201	12.0	99500	4	US-09-798-096-10	Sequence 10, Appl1
C 34	199.6	11.9	3609	4	US-09-705-299-11	Sequence 11, Appl1
C 35	198.6	11.8	3336	4	US-09-026-033-1	Sequence 1, Appl1
C 36	198.6	11.8	3336	4	US-09-026-033-2	Sequence 2, Appl1
C 37	198.6	11.8	6987	4	US-09-026-033-3	Sequence 3, Appl1
C 38	198.6	11.8	6990	4	US-09-026-033-23	Sequence 23, Appl1
C 39	197.4	11.8	1000	4	US-09-018-584A-32	Sequence 32, Appl1
C 40	197.4	11.8	22481	4	US-08-367-841A-43	Sequence 43, Appl1
C 41	197.4	11.8	22481	5	PCT-US95-07201-43	Sequence 43, Appl1
C 42	197.4	11.8	22484	4	US-09-875-223-2	Sequence 43, Appl1
C 43	197.2	11.7	87543	4	US-09-791-211-3	Sequence 2, Appl1
C 44	197	11.7	1829	2	US-08-687-080-57	Sequence 3, Appl1
C 45	196.6	11.7	70000	4	US-09-851-896-3	Sequence 3, Appl1

ALIGNMENTS

RESULT 1

US-08-618-100B-3
; Sequence 3, Application US/08618100B
; Patent No. 6068976
; GENERAL INFORMATION:
; APPLICANT: Briggs, Michael R.
; APPLICANT: Auwerx, Johan
; APPLICANT: de Vos, Piet
; APPLICANT: Staels, Bart
; APPLICANT: Croston, Glenn E.
; APPLICANT: Miller, Stephen G.
; TITLE OF INVENTION: MODULATORS OF OB GENE AND
; SCREENING METHODS THEREFOR
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071-2066
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/618,100B
; FILING DATE: March 19, 1996
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/558,588
; FILING DATE: October 30, 1995
; APPLICATION NUMBER: 08/510,584
; FILING DATE: August 2, 1995
; APPLICATION NUMBER: 08/418,096
; FILING DATE: April 5, 1995
; APPLICATION NUMBER: 08/409,584
; FILING DATE: March 20, 1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Warburg, Richard J.
; REGISTRATION NUMBER: 32,327
; REFERENCE/DOCKET NUMBER: 219/075
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; INFORMATION FOR SEQ ID NO.: 3:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 10684 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; DESCRIPTION: Sequence between exon 1 and exon 2
; Patent No. 6068976
US-08-618-100B-3

Query Match      14.9%; Score 250; DB 3; Length 10684;
Best Local Similarity 72.1%; Pred. No. 4.6e-57;
Matches 404; Conservative 3; Mismatches 116; Indels 35; Gaps 5;

QY 1 GAATTCAAGACAGCCTGGCAACACTTGAAGAACCAGGCTCTCTACAAAAATACAAAAAT 60
Db 6778 GAGTTTCAAGACAGCCTGGCAACACTGTGAACCCCATCTCTACTAAAAATACAAAAA 6837

QY 61 AGCTGGGATTTGGTGGTGGCTCATGCTTATATCCAGACACTTTGGGAGCCTGAGGTG 120
Db 6838 A--TGAGGCTGGGCTGATGACTCACACCTGTATCCAGCACCTTTGGGAGGCCGAGGCA 6895

QY 121 GGTGATCACCTGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 180
Db 6896 GGTGATTCATGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 6955

QY 181 TCTACTGAAATATATATATATATATATATATATATATATATATATATATATATATAT 236
Db 6956 TCTATTAATAATATATATATATATATATATATATATATATATATATATATATATAT 7015

QY 237 TTAGGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 296
Db 7016 TTGGGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 7075

QY 297 GATTTCATCATGTGACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 356
Db 7076 GATTTCATCATGTGACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 7121

QY 357 TCTCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 416
Db 7122 TCTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 7181

QY 417 ACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 462
Db 7182 ACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 7241

QY 463 ATGATCTCTGCCACTGCACTCCGGCTGGGCAACAGAGTGAAGACCTGTCTAAAGAAAAA 522
Db 7242 GAGATCAACAACACTGCACTCCAGCTAGGTAA-AGAACAGAGCTCCATCTCAAAAAATAA 7300

QY 523 AAATAAAGACACATATCTCT 542
Db 7301 TAAATAAATAAATAAATGTTCT 7320

RESULT 2
US-09-800-960-3
; Sequence 3, Application US/09800960
; Patent No. 6387677
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001158
; CURRENT FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 62804
; TYPE: DNA
; ORGANISM: Human

; SEQUENCE CHARACTERISTICS:
; NAME/KEY: misc_feature
; LOCATION: (1)...(62804)
; OTHER INFORMATION: n = A,T,C or G
US-09-800-960-3

Query Match      14.5%; Score 244.2; DB 4; Length 62804;
Best Local Similarity 73.3%; Pred. No. 3.6e-55;
Matches 407; Conservative 3; Mismatches 101; Indels 44; Gaps 6;

QY 1 GAATTCAAGACAGCCTGGCAACACTTGAAGAACCAGGCTCTCTACAAAAATACAAAAAT 60
Db 54067 GAGTTTCAAGACAGCCTGGCAACACTGATGAACCCCGCTCTACTAAAAATACAAAAA 54126

QY 61 AGCTGGGATTTGGTGGTGGCTCATGCTTATATCCAGACACTTTGGGAGCCTGAGGTG 120
Db 54127 AGGCC-----GGGCGTGTGGCTCAGCGCTGTATCCCAACACTTTGGGAGGCCAAGGTG 54181

QY 121 GGTGATCACCTGAA-GTCCAGGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 179
Db 54182 GGTGATCACCTGAAAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTC 54241

QY 180 CTCTACTGAAATATATATATATATATATATATATATATATATATATATATATATAT 236
Db 54242 CTCTACTGAAATATATATATATATATATATATATATATATATATATATATATATAT 54301

QY 237 TTAGGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 296
Db 54302 TCGGAGGCGGAGGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 54361

QY 297 GATTTCATCATGTGACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 356
Db 54362 GATCACCCCATGTGCA-----CTCCAGCCTGGGCAACAGAGCGGAAACTTCT 54407

QY 357 TCTCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 409
Db 54408 TCTCAAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 54467

QY 410 CCCAGCTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 455
Db 54468 CCCAGCTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 54527

QY 456 GTGAGCCTATGATCTTCCGCACTGCACTCCGGCTGGGCAACAGAGTGAAGACCTGTCTAA 515
Db 54528 GTGAGCCTATGATCTTCCGCACTGCACTCCGGCTGGGCAACAGAGTGAAGACCTGTCTAA 54587

QY 516 GAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 530
Db 54588 GAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 54602

RESULT 3
US-08-068-945A-1
; Sequence 1, Application US/08068945A
; Patent No. 5616483
; GENERAL INFORMATION:
; APPLICANT: Bjursell, Gunnar
; APPLICANT: Carlsson, Peter
; APPLICANT: Enerback, Sven
; APPLICANT: Hansson, Lennart
; APPLICANT: Lidberg, Ulf
; APPLICANT: Nilsson, Jeanette
; APPLICANT: Tornell, Jan
; TITLE OF INVENTION: New DNA Sequences
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: White & Case
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: United States
; ZIP: 10036-2787
; COMPUTER READABLE FORM:
```


APPLICANT: Hansson, Lennart
APPLICANT: Lidberg, Ulf
APPLICANT: Nilsson, Jeanette
APPLICANT: Tornell, Jan
TITLE OF INVENTION: Genomic DNA Sequences
TITLE OF INVENTION: Encoding Human BSSL/CEL
NUMBER OF SEQUENCES: 58
CORRESPONDENCE ADDRESS:
ADDRESSEE: White & Case
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: United States
ZIP: 10036-2787
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,806
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/068,945
FILING DATE: 27-MAY-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: SE 9201809-2
FILING DATE: 11-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: SE 9201826-6
FILING DATE: 12-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: SE 9202088-2
FILING DATE: 03-JUL-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: SE 9300902-5
FILING DATE: 19-MAR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Sterner, Richard J.
REGISTRATION NUMBER: 35,372
REFERENCE/DOCKET NUMBER: 1103326-052
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)819-8783
TELEFAX: (212)354-8113
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 11531 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
TISSUE TYPE: Mammary gland
FEATURE:
NAME/KEY: CDS
LOCATION: join(1653..1727, 4071..4221, 4307..4429, 4707
LOCATION: ..4904, 6193..6323, 6501..6608, 6751..6868, 8335
LOCATION: ..8521, 8719..8922, 10124..10321, 10650..11394)
FEATURE:
NAME/KEY: mat_peptide
LOCATION: join(1722..1727, 4071..4221, 4307..4429, 4707
LOCATION: ..4904, 6193..6323, 6501..6608, 6751..6868, 8335
LOCATION: ..8521, 8719..8922, 10124..10321, 10650..11391)
OTHER INFORMATION: /EC.number= 3.1.1.1
OTHER INFORMATION: /product= "Bile Salt-Stimulated Lipase"
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..1640
FEATURE:
NAME/KEY: TATA_signal

LOCATION: 1611..1617
FEATURE:
NAME/KEY: exon
LOCATION: 1641..1727
FEATURE:
NAME/KEY: exon
LOCATION: 4071..4221
FEATURE:
NAME/KEY: exon
LOCATION: 4307..4429
FEATURE:
NAME/KEY: exon
LOCATION: 4707..4904
FEATURE:
NAME/KEY: exon
LOCATION: 6193..6323
FEATURE:
NAME/KEY: exon
LOCATION: 6501..6608
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NAME/KEY: exon
LOCATION: 6751..6868
FEATURE:
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LOCATION: 8335..8521
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NAME/KEY: exon
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LOCATION: 10124..10321
FEATURE:
NAME/KEY: exon
LOCATION: 10650..11490
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 11491..11531
US-08-442-806-1

Query Match 13.9%; Score 233.6; DB 1; Length 11531;
Best Local Similarity 71.3%; Pred. NO. 1.2e-52;
Matches 388; Conservative 3; Mismatches 117; Indels 36; Gaps 5;
QY 2 AATTCAAGACCAGCTGGACAACTTGGAGAACCS---GGTCTCTACAAAAATACAAAA 58
Db 5164 AGTTCAAGACCAGCTGAAAAATCACTGGAGAGCCCCCATCTCTACACAAAAATTAATAA 5223
QY 59 TTAGCTGGGATTGGGTGGGTGGTCTATATATCCACAGCACTTTGGGAGCCTGAGG 118
Db 5224 TAGCTGGGACTGGGCGGCGGCTCACCTCTGTATATCCACAGCACTTTGGGAGCCCAAGG 5283
QY 119 TGGGTGGATCACCTGAAGTCAGGAGTTCAAGACTAGCTGGCCCAACATGGTGAACCCCTA 178
Db 5284 TGGGTAGATCACCTGAGTCAGGAGTTGACACCAGCCTGACTAAATGGAGAAACCTCT 5343
QY 179 TCTCTACTGAAATATAYAAAA--AGCTAGACCTGGTGGCACACACCTGTATATCCAGCTAC 236
Db 5344 TCTCTACTGAAATATACAAAAATTAGCAGGCGGTGGCGCTGTGCTGTATATCCAGCTAC 5403
QY 237 TTAGGAGCTGAGGCGAGAGAAATGCTTGAAGCCCTAGAGGTGAAGTTGTAGTGAAGCCGA 296
Db 5404 TCGGAGGCTGAGGCGAGAGAAATCGCTTGAACCTCAGGAGCGGAGGTGGCGGTGAGCCGA 5463
QY 297 GATTGCTATCATTTGCACAAATGGAGGGAGGCCACAGCCTGGGCCAACAGAGAGAAATCTCCG 356
Db 5464 GATCATGCCACTGCA-----CTCCAGCCTGGAGACACAGAGTAAACTCTG 5509
QY 357 TCTCCAAAAAATAAAAAAAGATTAAGCTGG---GTGGTGCCTGTAGTCCCA 413
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QY 414 GCTACTTGGGAGCGAGGG-----GTCCACTTGATGTGAGACTGCACTGTA 459


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; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELEPHONE: 415-576-0300
; TELEFAX: 415-576-0200
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..246240
; OTHER INFORMATION: /note= "HLA-H.CONTIG"
; US-08-724-394A-20

Query Match 12.8%; Score 215.4; DB 2; Length 246240;
Best Local Similarity 69.9%; Pred. No. 3.4e-47;
Matches 392; Conservative 3; Mismatches 119; Indels 47; Gaps 6;

QY 1 GAATTCAGACGAGCTGGCAACTTGGAGAACCGSGGTCTCTACAAAAATACAAAATT 60
DB 205702 GAATTCAGACGAGCTGGCAACACAGGAAAGCCCATCTCTACAAAATATACAAAATT 205761
QY 61 AGCTGGGATTGGTGGCGTGCTCATGCTATATCCAGACATTTGGAGCCCTGAGGTG 120
DB 205762 AGTGCC---GAGGTGGTGGCTCAGCGCTGATATCCAGACATTTGGAGCGCGAGGCG 205818
QY 121 GGTGGATCACCTGAAGTCAGAGTTCAAGACTAGCTGGCCCAACATGCTGAAACCCATC 180
DB 205819 GGCAGATCACCTGAGTCAGAGTTCCAGAGTTCCAGACAGCCCT---CAACATGGAGAAACCCGTC 205875
QY 181 TCTACTGAAATATATAA---AGCTAGAGGTGGTGGGACACACCTGTATCCAGCTACTT 238
DB 205876 TCTACTGAAATATATAA---AGCTAGAGGTGGTGGGACACACCTGTATCCAGCTACTT 205935
QY 239 AGAGGCTGAGCGAGGAGATTGCTTGAAGCTAGAGTGAAGCTTGTAGTGACCCGAGA 298
DB 205936 GGGAGGCTGAGCGAGGAGATTGCTTGAAGCTAGAGTGAAGCTTGTAGTGACCCGAGA 205995
QY 299 TTGCATCATGTCACAAATGGAGGGGAGCCACCGCTGGGCAACAGAGGAAATCTCGGTC 358
DB 205995 TTGCATCATGTCACAAATGGAGGGGAGCCACCGCTGGGCAACAGAGGAAATCTCGGTC 358

; US-08-724-394A-21
; Sequence 21, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELEPHONE: 415-576-0300
; TELEFAX: 415-576-0200
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..246240
; OTHER INFORMATION: /note= "HLA-H.CONTIG"
; US-08-724-394A-20

Query Match 12.8%; Score 215.4; DB 2; Length 246240;
Best Local Similarity 69.9%; Pred. No. 3.4e-47;
Matches 392; Conservative 3; Mismatches 119; Indels 47; Gaps 6;

QY 205996 TCCCGCCATTGCA-----CTCCAGCCTGGGCAACAGAGGAAATCCCATC 206041
QY 359 TCCAAAAAAGAGATTAAGCTGGTGGTGGT-----CCTGTAG 408
DB 206042 TCAAAAAAAGAGATTAAGCTGGTGGTGGT-----CCTGTAG 206101
QY 409 TCCAGCTACTTGGGAGGAGGAGGCT-----CCACTTGATGTCGAGACTG 453
DB 206102 TCCAGCTACTTGGGAGGAGGCTGAGGTGGGAGGATCACTTCAGCCCGGAGTGTAGGCTA 206161
QY 454 CAGTGAGCATGATCCTGCCACTGCACCTCCGCTGGGCAACAGAGTGAAGCCCTGTCTA 513
DB 206162 CCATGAGCATCATGCTGCCACTGTACCTCCAGTCTAGGAAAAAATAAACAATT 206221
QY 514 AAGAAAAAATAAAGCAA 534
DB 206222 TTAATCTTAAAAAAGAAA 206242

RESULT 8
US-08-724-394A-21
; Sequence 21, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.
; APPLICANT: Kronmal, Gregory S.
; APPLICANT: Lauer, Peter M.
; APPLICANT: Ruddy, David A.
; APPLICANT: Thomas, Winston
; APPLICANT: Tsuchihashi, Zenta
; APPLICANT: Wolff, Roger K.
; TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/724,394A
; FILING DATE: 01-OCT-1996
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 017957-000100
; TELEPHONE: 415-576-0300
; TELEFAX: 415-576-0200
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 246240 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 1..246240
; OTHER INFORMATION: /note= "HLA-H.CONTIG"
; US-08-724-394A-21

Query Match 12.8%; Score 215.4; DB 2; Length 246240;
Best Local Similarity 69.9%; Pred. No. 3.4e-47;
Matches 392; Conservative 3; Mismatches 119; Indels 47; Gaps 6;

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Query Match	12.8%	Score 215;	DB 4;	Length 11811;
Best Local Similarity	66.1%	Pred. No. 1.1e-47;		
Matches	401;	Conservative	2;	Mismatches 167; Indels 37; Gaps 5;
QY	2	AATTCAAGACCAACGCTGGACAACTTGGGAAGAACCCGGTCTCTACAAAAA-----TACAAA	57	
Db	6599	AGTTCAAGACCAACGCTGGCCACACACAGTGAGACCTCATCTTACAAATACATTTAAAG	6540	
QY	58	ATTAGCTGGGATTTGGGTGGCGTGCATGCCTATAATCCCAAGCACTTTTGGGAGCGCTGAG	117	
Db	6539	TTAGCTGGGGCGAGGTGTGTGGGCGACGCGTGAATCCCAAGCCCTTTGGGAGGTCAAG	6480	
QY	118	GTGGGTGGATCACTTGAAGTCAGGAGTTCAAGACTAGCCTGCCCAACATGGTGAACCCCT	177	
Db	6479	GTGGGTGGATCACTTGAAGTCAGGAGTTCCAGCCAGCCTGCCCAACATGGTGAACCCCT	6420	
QY	178	ATCTCTACTGAAATAYAAAA-----AGCTAGACGTGGTGGCACACACCTGTAAATCCACG	233	
Db	6419	ATCTCTACTAAAAATACAAAAAATTAGCCAGCGTGGTGGCGGCGCTGTAAATCCACG	6360	
QY	234	TACTTAGGAGGCTGAGGCAGGAGAAATGCTTGAAGCCTAGAGGTGAAGTTGTAGTGAGC	293	
Db	6359	TACTCAGGAGGCTGAGGCAGGAGAAATCACTTGAACCCAGGAGAGAGGTTGCAGTGAGC	6300	
QY	294	CGAGATTGTCATCATCTGCACAAATGGAGGGAGCCACAGCCTGGGCAACAGAGGAATCT	353	
Db	6299	CAAGATCATGCCATTGCA-----CTCCAGCCTGGCAACAGAGCAAACT	6254	
QY	354	CGCTCTCCAAAAAANAANAANAANAAGATTAAGCTGGTGGTGGCTGTAGTCCCA	413	
Db	6253	CTCAANAANAANAANAANAANAATTTCCCGGGTATGGGGCAATTCCTCTAGAGGTA	6194	
QY	414	GCTACTTGGGAGCGAGGGGGTCCA-----CTTGATGTCGAGACTGCACTGA	459	
Db	6193	GCTACATGGAAGGCTGAGCAGGAGGATTCCTGGGTCCAGGATTTTGAGTTACAGTGA	6134	
QY	460	GCCATG-ATCCTGCGCACTGCATCCGGCTGGGCAACAGAGTGAAGCCCTGCTAAAGAA	518	
Db	6133	GATACGAATGGTGCCACTGCATACAGTCTGGGAGACAGCTGTCTCTAAAAAANAANA	6074	
QY	519	AAAAAANAATAAGACCAATATCCTGAAACAAGGATCCTCCATAACGTTCCCAACCATTT	578	
Db	6073	AAATAGTAAACAANAACAANAACCAACCCCTGGCTGTGCATGGTGGCTCACCCCTGTA	6014	
QY	579	CTAATCA	585	
Db	6013	CCCAACA	6007	

RESULT 13
US-07-914-281-5/c
Sequence 5, Application US/07914281
Patent No. 5324663
GENERAL INFORMATION:
APPLICANT: LOWE, JOHN B.
TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
ADDRESSER: P.C.
STREET: 1755 Jefferson Davis Highway, Fourth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:													
APPLICATION NUMBER: US/07/914,281													
FILING DATE: 19920720													
CLASSIFICATION: 530													
ATTORNEY/AGENT INFORMATION:													
NAME: Lavalleye, Jean-Paul M. P.													
REGISTRATION NUMBER: 31,451													
REFERENCE/DOCKET NUMBER: 2363-060-55													
TELECOMMUNICATION INFORMATION:													
TELEPHONE: (703)521-4500													
TELEFAX: (703)486-2347													
TELEX: 248855 OPAT UR													
INFORMATION FOR SEQ ID NO: 5:													
SEQUENCE CHARACTERISTICS:													
LENGTH: 8174 base pairs													
TYPE: NUCLEIC ACID													
STRANDEDNESS: unknown													
TOPOLOGY: unknown													
MOLECULE TYPE: DNA (genomic)													
ANTI-SENSE: NO													
US-07-914-281-5													
Query Match 12.8%; Score 214.6; DB 1; Length 8174;													
Best Local Similarity 68.08; Pred. No. 1.2e-47;													
Matches 379; Conservative 1; Mismatches 155; Indels 22; Gaps 5;													
QY	1	GAATTC	CAAGAC	CGCTGG	CAACACTT	GGAA	GAAAC	CCSGGT	CTCTAC	AAAAA	ATAC	AAAT	60
DB	4362	GAGTTC	CAAGAT	CAGCTG	GGCA	CAGAG	CA-C	CTCTAC	AAAAA	ATTT	AAAA	TAGCTT	4304
QY	61	AGCTGG	ATGGTG	GGGTGG	CTATG	CCCTAT	ATATCC	CAGAC	CTTTGG	GAGC	CTTGAG	GTG	120
DB	4303	GGCATG	GGCGAG	CGCGGT	GGCTC	ACAC	CCCTGT	ATATCC	CAGAC	CTTTGG	GAGG	CAAGGTG	4244
QY	121	GGTGGT	ATCACT	GAAGT	TCAG	AGTTC	CAAG	ACTAG	CCCTGG	CCAC	ATG	GTCA	180
DB	4243	GGTGGT	ATCACT	GAGGT	TGGG	AGTT	TCG	AGAC	CCAG	CTTG	CAAC	CTGG	4184
QY	181	TC	TACTG	AAAT	AT	AAAA	--	AGCT	AG	ACGT	GGTGG	GCAC	238
DB	4183	TC	TACTT	AAAT	AT	AAAA	TT	AG	CGG	GCAT	GGTGG	GCAT	4124
QY	239	AG	GAGG	CTAG	GAG	GAA	AT	TGCTT	GA	AGCCT	AG	AGGTT	298
DB	4123	GG	GAGG	CTAG	GAG	GAA	AT	TCG	CT	GA	CCCG	GGGCG	4064
QY	299	TT	GCAT	CA	TG	CA	AT	TGG	AG	GG	GAG	CC	358
DB	4063	TC	ATG	CC	AT	TACA	-----	CT	CA	GC	CGCT	GGG	4018
QY	359	TC	CA	AAAA	AAAA	AAAA	AAAA	AA	GA	ATTT	-	AG	417
DB	4017	TC	CA	AAAA	AAAA	AAAA	AAAA	AA	TA	AAAA	TT	AG	3958
QY	418	CT	TGG	GAG	GAG	GGG	GTCC	ACT	TG	ATG	TC	GAG	473
DB	3957	CA	CCG	GA	TG	TA	AG	CG	GG	AG	GA	TCC	3898
QY	474	AC	TG	CA	CT	CG	CG	CT	TGG	CA	CA	CAG	533
DB	3897	AC	TG	CA	CT	CG	CG	CT	TGG	CA	CA	CAG	3838
QY	534	AC	AT	AT	CT	GA	CA	AA	G	550			
DB	3837	AA	GA	AA	GG	TG	TC	AG	3821				
RESULT 14													
US-08-393-246-5/C													
Sequence 5, Application US/08393246													
Patent No. 559590													
GENERAL INFORMATION:													
APPLICANT: LOWE, JOHN B.													

Qy	121	GGTGGATCACCCTGAAGTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCCCTATC	180
Db	4243	GGTGGATCACCCTGAAGTTGGGAGTTGAGAGCCAGCCTGACCAACGTTGGAGAAACCCCTGTC	4184
Qy	181	TCTACTGAATAATYAAAA--AGCTAGACGTGGTGACACACACCTGTAAATCCACGCTACTT	238
Db	4183	TCTACTTAATAATCAAAATTAGCCGGCATGGTGGCGCATGCCCTGTAAATCCACGCACTC	4124
Qy	239	AGGAGGCTAGGCGAGGAGAAATTCCTTGAAGCCCTAGAGGTGAAGGTTGTAGTGAGCCGAGA	298
Db	4123	GGGAGGCTAGGCGAGGAGAAATCGCTGAACCCGGGGGGGAGTTCGGGTGAGCTGAGA	4064
Qy	299	TTGCATCATTCACAAATGGAGGGAGCCACAGCCTGGGCAACAAGAGGAAATCTCGGTC	358
Db	4063	TCATGCCATTTACA-----CTCCAGCCTGGGCAACAAGAGTGAACCTCGGTC	4018
Qy	359	TCCAAAAAATAAAAAAAGRAAT-AGGCTGGGTGGTGCCTGTAGTCCCGACTA	417
Db	4017	TCCAAAAAATAAATAAATTAGCTTGGCATGGTGGCACATGCTGTGTCTCAGCTA	3958
Qy	418	CTTGGGAGGCGGGGTCCACTTGATGTCGAGACTGCAGTGAAGCCATGATCCTGCC---	473
Db	3957	CACCGGATGCTAAGCGGGAGGATCCCGGAGCTCACAATGAGCCGGATAGCACCGCTG	3898
Qy	474	ACTGCACTCGGCGCTGGGCAACAGAGTGAGACCCCTGTCTAAAGAAAAAATAAGCA	533
Db	3897	ACTGCACTCCAGCTTGGCGACAGAGAGGACCCCTGTCTTAAAAAATAAAAAA	3838
Qy	534	ACATATCCTGAACAAAG	550
Db	3837	AAAGAAAGTGGTCCAGG	3821

Search completed: June 14, 2003, 09:34:33
Job time : 156.28 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match	%				
1	1677.2	99.8	1680	9	US-09-942-310-2	Sequence 2, Appli	
2	1677.2	99.8	9432	9	US-09-942-310-1	Sequence 1, Appli	
3	1677.2	99.8	9432	9	US-10-209-737-1	Sequence 1, Appli	
4	1677.2	99.8	9433	9	US-10-209-737-2	Sequence 2, Appli	
5	249.2	14.8	13409	9	US-09-764-891-9601	Sequence 9601, Ap	
c	6	249	14.8	57130	10	US-09-835-081-3	Sequence 3, Appl
	7	244.2	14.5	62804	12	US-10-096-960-3	Sequence 3, Appl
	8	243.8	14.5	5881	9	US-09-764-891-9918	Sequence 9918, Ap
9	242.2	14.4	13862	9	US-09-764-891-5477	Sequence 5477, Ap	
10	242.2	14.4	13862	9	US-09-764-891-10204	Sequence 10204, A	
c	11	242	14.4	60153	9	US-10-222-334-7	Sequence 7, Appli
	12	240.2	14.3	15849	10	US-09-880-107-2362	Sequence 2362, A
	13	240.2	14.3	21470	9	US-10-092-154-1157	Sequence 1157, Ap
c	14	240.2	14.3	21470	10	US-09-764-847-1157	Sequence 1157, A
15	238.8	14.2	32190	9	US-10-091-504-2209	Sequence 2209, Ap	
16	238.8	14.2	32190	10	US-09-764-859-2209	Sequence 2209, Ap	
c	17	238.2	14.2	5281	9	US-09-764-891-7789	Sequence 7789, Ap
18	238.2	14.2	5281	9	US-09-764-891-7788	Sequence 7788, Ap	
19	237.8	14.2	65608	9	US-09-954-531-180	Sequence 180, App	

	Query Match	99.8%;	Score 1677.2;	DB 9;	Length 1680;
	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 1680; Conservative	0;	Mismatches	0;	Gaps 0;
QY	1	GAATTCAGACCAAGCCCTGGACAACCTTGGAGAACC	CGGTCTCTACAAAAAATACAAAATT	60	
Db	1	GAATTCAGACCAAGCCCTGGACAACCTTGGAGAACC	CGGTCTCTACAAAAAATACAAAATT	60	
QY	61	AGCTGGGATTTGGTGCGGTGGCTCATGCCCTATAAT	TCCAGACACTTTGGAGCCTTAGAGTG	120	
Db	61	AGCTGGGATTTGGTGCGGTGGCTCATGCCCTATAAT	TCCAGACACTTTGGAGCCTTAGAGTG	120	
QY	121	GGTGGATCACCTGAAGTCAGAGTTCAAGACTAGCCT	GGCCAAACATGGTGAACCCCTATC	180	
Db	121	GGTGGATCACCTGAAGTCAGAGTTCAAGACTAGCCT	GGCCAAACATGGTGAACCCCTATC	180	
QY	181	TCCTACTGAAATATAYAAAAAGCTAGACGTGGTG	CACACCTGTAATCCCCAGCTACTTAG	240	
Db	181	TCCTACTGAAATATAYAAAAAGCTAGACGTGGTG	CACACCTGTAATCCCCAGCTACTTAG	240	

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QY 241 GAGGCTGAGGAGGAGAAATTCCTGAAGCCTAGAGGTGAAGTTGTAGTGAGCCGAGATT 300
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 241 GAGGCTGAGGAGGAGAAATTCCTGAAGCCTAGAGGTGAAGTTGTAGTGAGCCGAGATT 300
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 301 GCATCATTCGCAATATGGAGGGAGCCACAGCCTGGGCAACAAGAGAAATTCCTCGTCTC 360
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 301 GCATCATTCGCAATATGGAGGGAGCCACAGCCTGGGCAACAAGAGAAATTCCTCGTCTC 360
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 361 CAAAAAATAAAAAAATAAAAAAATTAAGGCTGGGTGGTCTAGTCCAGCTACTT 420
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 361 CAAAAAATAAAAAAATAAAAAAATTAAGGCTGGGTGGTCTAGTCCAGCTACTT 420
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 421 GGGAGGCGGGGCTCCACTGTGATGTCGAGACTGCGAGTGAAGCCATCATCTGCGCATGCAC 480
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 421 GGGAGGCGGGGCTCCACTGTGATGTCGAGACTGCGAGTGAAGCCATCATCTGCGCATGCAC 480
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 481 TCCGGCCTCGGCAACAGAGTGAAGCCCTGTCTAAAGAAAAAATAAAGCAACATATC 540
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 481 TCCGGCCTCGGCAACAGAGTGAAGCCCTGTCTAAAGAAAAAATAAAGCAACATATC 540
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 541 CTGAACAAGGATCCTCCATACAGTTCCACAGATTTCTAATCAAGAAACATGGAGGCA 600
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 541 CTGAACAAGGATCCTCCATACAGTTCCACAGATTTCTAATCAAGAAACATGGAGGCA 600
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 601 GAAAGCAGTGGAGGAGGACRACCTCAGCGAGCCCGGAGGATGTTGTCAGAGGCTGGG 660
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 601 GAAAGCAGTGGAGGAGGACRACCTCAGCGAGCCCGGAGGATGTTGTCAGAGGCTGGG 660
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 661 CAAGGCGCTTCGGCTACCACTGGGAGCTCTGGGAACAGCCCTGTTGCAACAAGAAAGC 720
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 661 CAAGGCGCTTCGGCTACCACTGGGAGCTCTGGGAACAGCCCTGTTGCAACAAGAAAGC 720
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 721 CATAGCCCGCCAGAGCCAGGAATGTGGTGGGCTGGGAGCAGCCCTCTGACAGAGAGT 780
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 721 CATAGCCCGCCAGAGCCAGGAATGTGGTGGGCTGGGAGCAGCCCTCTGACAGAGAGT 780
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 781 GGTCCATCCAGGAACCTCCGGATGCTGGAGTGGGAGTGGTCTGTCGGGCTCTGT 840
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 781 GGTCCATCCAGGAACCTCCGGATGCTGGAGTGGGAGTGGTCTGTCGGGCTCTGT 840
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 841 ATGTGTGTGACTGGTGTGTGAGAGAGAAATGTGTCYCTAAGTGTGAGTGTGAGTCT 900
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 841 ATGTGTGTGACTGGTGTGTGAGAGAGAAATGTGTCYCTAAGTGTGAGTGTGAGTCT 900
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 901 GTGTATGTGAATATGCTTTGTGTGGGTGAATTTCTGCTGTGTAAATCGTGTCCCTG 960
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 901 GTGTATGTGAATATGCTTTGTGTGGGTGAATTTCTGCTGTGTAAATCGTGTCCCTG 960
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 961 CAAGTGTGAACAAGTGGACAAGTGTCTGGGAGTGGACAAGAGATCTGTGCACCATCAGGT 1020
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 961 CAAGTGTGAACAAGTGGACAAGTGTCTGGGAGTGGACAAGAGATCTGTGCACCATCAGGT 1020
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1021 GTGTGCATAGCGTCTGTGCATGTCAAGAGTCAAGAGTGAAGTGAAGGACCCAGGCCCATG 1080
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1021 GTGTGCATAGCGTCTGTGCATGTCAAGAGTCAAGAGTGAAGTGAAGGACCCAGGCCCATG 1080
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1081 ATGCCACTCATCATCAGAGCTCTAAGGCCCCAGAGTGAAGTGCCTGACAGATAGGGTG 1140
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1081 ATGCCACTCATCATCAGAGCTCTAAGGCCCCAGAGTGAAGTGCCTGACAGATAGGGTG 1140
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1141 CTGAAGGTCACTCTGGAGTGGGAGTGGGGGTAGGGAAGGCAAGGCCATGTTCTGGA 1200
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1141 CTGAAGGTCACTCTGGAGTGGGAGTGGGGGTAGGGAAGGCAAGGCCATGTTCTGGA 1200
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1201 GGAGGGTGTGACTACATTAGGGTGTATGAGCCTAGCTGGGAGTGGATGGCCRGGTCC 1260
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1201 GGAGGGTGTGACTACATTAGGGTGTATGAGCCTAGCTGGGAGTGGATGGCCRGGTCC 1260
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1261 ACTGAACCCCTGGTTATCCCAAGAGCTTTCCAGGCTTCAGGAGCTTGGAGTGGGAGAG 1320
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1261 ACTGAACCCCTGGTTATCCCAAGAGCTTTCCAGGCTTCAGGAGCTTGGAGTGGGAGAG 1320
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```

RESULT 2

US-09-942-310-1

; Sequence 1, Application US/09942310

; Publication No. US20030044797A1

; GENERAL INFORMATION:

; APPLICANT: Risinger, Carl

; APPLICANT: Andersson, Maria K.

; APPLICANT: Lewander, Tommy

; APPLICANT: Olafsson, Erik

; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

; FILE REFERENCE: GG119.1US

; CURRENT APPLICATION NUMBER: US/09/942,310

; PRIOR FILING DATE: 2001-08-29

; PRIOR APPLICATION NUMBER: GB 0021286.0

; NUMBER OF SEQ ID NOS: 77

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 1

; LENGTH: 9432

; TYPE: DNA

; ORGANISM: homo sapiens

US-09-942-310-1

Query Match 99.8%; Score 1677.2; DB 9; Length 9432;

Best Local Similarity 99.6%; Pred. No. 0;

Matches 1673; Conservative 7; Mismatches 0; Indels 0; Gaps 0;

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QY 1 GAATTCAGACAGCAGCTGGACAACCTTGAAGAACC SGGTCTCTACAAAAATACAAAATT 60
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 1 GAATTCAGACAGCAGCTGGACAACCTTGAAGAACC SGGTCTCTACAAAAATACAAAATT 60
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 61 AGCTGGGANTGGTGGCGGTGCGTCAATGCTTAATATCCAGACATTTGGGAGCCTGAGGTG 120
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 61 AGCTGGGANTGGTGGCGGTGCGTCAATGCTTAATATCCAGACATTTGGGAGCCTGAGGTG 120
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 121 GGTGCATCCCTGAAGTCAGGAGTTCAGACTAGCCTGGCCCAACATGGTGAACCCCTATC 180
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 121 GGTGCATCCCTGAAGTCAGGAGTTCAGACTAGCCTGGCCCAACATGGTGAACCCCTATC 180
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 181 TCTACTGAAAAATAYAAAAAGCTAGACGTGGTGGCACACACCTGTAATCCAGCTACTTAG 240
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 181 TCTACTGAAAAATAYAAAAAGCTAGACGTGGTGGCACACACCTGTAATCCAGCTACTTAG 240
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 241 GAGCTGAGGCGAGAGAAATTCCTTGAAGCCTTAGAGGTGAAGGTTGTAGTGAGCCGAGATT 300
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 241 GAGCTGAGGCGAGAGAAATTCCTTGAAGCCTTAGAGGTGAAGGTTGTAGTGAGCCGAGATT 300
Db |||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 301 GCATCATTCGCAATATGGAGGGAGCCACAGCCTGGGCAACAAGAGAAATTCCTCGTCTC 360
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Db	1381	GAGCAGGGGCAAGAACCTCTGGAGCAGCCCAATACCCGCGCTGTGACTCTGCCACTG	1444
Qy	1441	GCAGCAGGTCAACACACAGCAGGTTCACTCACAGCAGAGGGCAAGGCCATCATCAGCTCC	1500
Db	1441	GCAGCAGGTCAACACACAGCAGGTTCACTCACAGCAGAGGGCAAGGCCATCATCAGCTCC	1500
Qy	1501	CTTTATAAGGGAAGGTCACGCGCTCGGCTGTGTGAGAGTGTCTTGCCTGGTCCCTCTGTG	1560
Db	1501	CTTTATAAGGGAAGGTCACGCGCTCGGCTGTGTGAGAGTGTCTTGCCTGGTCCCTCTGTG	1560
Qy	1561	CTGTGCTGGGTGGGGTGCCAGGTGTCTCCAGAGGAGCCCATTTGGTAGTGAGGCAGGTA	1620
Db	1561	CTGTGCTGGGTGGGGTGCCAGGTGTCTCCAGAGGAGCCCATTTGGTAGTGAGGCAGGTA	1620
Qy	1621	TGGGGCTAGAACGACACTGGTCCCGCTGGCCCGTGTAGTGGCCATCTTCTCTGTGTGG	1680
Db	1621	TGGGGCTAGAACGACACTGGTCCCGCTGGCCCGTGTAGTGGCCATCTTCTCTGTGTGG	1680
RESULT 3			
US-10-209-737-1			
; Sequence 1, Application US/10209737			
; Publication No. US20030083485A1			
; GENERAL INFORMATION:			
; APPLICANT: Pfizer Inc.			
; APPLICANT: Milos, Patrice M.			
; APPLICANT: Webb, Susan M.			
; TITLE OF INVENTION: No. US20030083485A1e1 Variants Of The Human CYP2D6 Gene			
; FILE REFERENCE: PC11033AGPR			
; CURRENT APPLICATION NUMBER: US/10/209,737			
; CURRENT FILING DATE: 2002-07-31			
; PRIOR APPLICATION NUMBER: US 60/309,111			
; PRIOR FILING DATE: 2001-07-31			
; NUMBER OF SEQ ID NOS: 2			
; SOFTWARE: PatentIn version 3.1			
; SEQ ID NO 1			
; LENGTH: 9432			
; TYPE: DNA			
; ORGANISM: HOMO SAPIENS			
US-10-209-737-1			
Query Match 99.8%; Score 1677.2; DB 9; Length 9432;			
Best Local Similarity 99.6%; Pred. No. 0;			
Matches 1673; Conservative 7; Mismatches 0; Indels 0; Gaps 0;			
Qy	1	GAATTCAGACCCAGCCTGGACAACCTTGGAGAACCCGGTCTCTACAAAAATACAAAATT	60
Db	1	GAATTCAGACCCAGCCTGGACAACCTTGGAGAACCCGGTCTCTACAAAAATACAAAATT	60
Qy	61	AGCTGGGATGGGTGCGGTGGCTCATGCCCTATATCCAGCACCTTTGGGAGCCCTGAGGTG	120
Db	61	AGCTGGGATGGGTGCGGTGGCTCATGCCCTATATCCAGCACCTTTGGGAGCCCTGAGGTG	120
Qy	121	GGTGGATCACTGAAGTCAGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCCCTATC	180
Db	121	GGTGGATCACTGAAGTCAGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCCCTATC	180
Qy	181	TCTACTCAAAATATAAAAAGCTAGACGTGGTGGCACACACCTGTAAATCCAGCTACTTAG	240
Db	181	TCTACTCAAAATATAAAAAGCTAGACGTGGTGGCACACACCTGTAAATCCAGCTACTTAG	240
Qy	241	GAGGCTCAGGCAGGAGAAATGTCTTGAAGCCTAGAGGTGAAGTTGTAGTCAGCGGAGATT	300
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Qy	301	GCATCATTCACATGGAGGGAGCCACCAGCCTGGCCCAACAGAGGAAATCTCCGTCCTC	360
Db	301	GCATCATTCACATGGAGGGAGCCACCAGCCTGGCCCAACAGAGGAAATCTCCGTCCTC	360
Qy	361	CAAAAAAATAAAAAAAGAAATAGCTGGGTGGTGCCTGTAGTCCCAGCTACTT	420
Db	361	CAAAAAAATAAAAAAAGAAATAGCTGGGTGGTGCCTGTAGTCCCAGCTACTT	420

Qy	421	GGGAGCAGGGGGTCCACTTGTATGTCGAGACTGCAGTGCAGCCATGATCTCTGCCACTGCAC	480
Db	421	GGGAGCAGGGGGTCCACTTGTATGTCGAGACTGCAGTGCAGCCATGATCTCTGCCACTGCAC	480
Qy	481	TCCGGCTTGGCACAACAGAGTGAGACCCTGCTAAAGAAAAAATAAAGCAACATATC	540
Db	481	TCCGGCTTGGCACAACAGAGTGAGACCCTGCTAAAGAAAAAATAAAGCAACATATC	540
Qy	541	CTGAACAAAGGATCCTCCATAACGTTCCACACAGATTCTAATCAGAAAAATGGAGGCCA	600
Db	541	CTGAACAAAGGATCCTCCATAACGTTCCACACAGATTCTAATCAGAAAAATGGAGGCCA	600
Qy	601	GAAGCAGTGGAGGAGGACRACCTCTCAGGCAGCCCGGAGGATGTTGTACAGGCTGGG	660
Db	601	GAAGCAGTGGAGGAGGACRACCTCTCAGGCAGCCCGGAGGATGTTGTACAGGCTGGG	660
Qy	661	CAAGGGCTTCCGGCTACCACTGGGAGCTCTGGGAACAGCCCTGTTGCAACAAAGAAGC	720
Db	661	CAAGGGCTTCCGGCTACCACTGGGAGCTCTGGGAACAGCCCTGTTGCAACAAAGAAGC	720
Qy	721	CATAGCCCGGCAGAGGCCAGGAATGTGGCTGGGCTGGAGCAGCCCTCTGGACAGGAGT	780
Db	721	CATAGCCCGGCAGAGGCCAGGAATGTGGCTGGGCTGGAGCAGCCCTCTGGACAGGAGT	780
Qy	781	GGTCCCATCAGGAAACCTCCGGCATGGCTGGGAAGTGGGTACTTGGTCCCGGCTCTGT	840
Db	781	GGTCCCATCAGGAAACCTCCGGCATGGCTGGGAAGTGGGTACTTGGTCCCGGCTCTGT	840
Qy	841	ATGTGTGTGTGACTGGTGTGTGTGAGAGAGATGTGTGCYCTAAGTGTCTAGTGTGAGTCT	900
Db	841	ATGTGTGTGTGACTGGTGTGTGTGAGAGAGATGTGTGCCTTAAGTGTCTAGTGTGAGTCT	900
Qy	901	GTGTATGTGTGAATATTGTCTTTGTGTGGGTGATTTTCTGCTGTGTAAATCGTCTCCCTG	960
Db	901	GTGTATGTGTGAATATTGTCTTTGTGTGGGTGATTTTCTGCGTGTGTAAATCGTCTCCCTG	960
Qy	961	CAAGTGTGAACAAGTGGACAAGTGTCTGGGAGTGGACAAGAGATCTGTGCACCATCAGT	1020
Db	961	CAAGTGTGAACAAGTGGACAAGTGTCTGGGAGTGGACAAGAGATCTGTGCACCATCAGT	1020
Qy	1021	GTGTGCATAGCGTCTGTGCATGTCAAAGTGCAGAGTGAAGTGAAGGGACCGAGCCCATG	1080
Db	1021	GTGTGCATAGCGTCTGTGCATGTCAAAGTGCAGAGTGAAGTGAAGGGACCGAGCCCATG	1080
Qy	1081	ATGCCACTCATCATCAGSAGCTCTAAGCCCCAGGTAAAGTGCACAGATGAAGGCT	1140
Db	1081	ATGCCACTCATCATCAGSAGCTCTAAGCCCCAGGTAAAGTGCACAGATGAAGGCT	1140
Qy	1141	CTGAAGTCTACTCTGGAGTGGCGAGTCTTAAGCCCCAGGTAAAGTGCACAGATGAAGGCT	1200
Db	1141	CTGAAGTCTACTCTGGAGTGGCGAGTCTTAAGCCCCAGGTAAAGTGCACAGATGAAGGCT	1200
Qy	1201	GGAGGGTGTGACTACATTAGGTGTATGAGCCTAGCTGGGAGGTGGATGGCCRGCTCC	1260
Db	1201	GGAGGGTGTGACTACATTAGGTGTATGAGCCTAGCTGGGAGGTGGATGGCCRGCTCC	1260
Qy	1261	ACTGAACCCCTGGTTATCCACAGAAGCTTTGCAGGCTTCAGGAGCTTGGAGTGGGAGAG	1320
Db	1261	ACTGAACCCCTGGTTATCCACAGAAGCTTTGCAGGCTTCAGGAGCTTGGAGTGGGAGAG	1320
Qy	1321	GGGGTGACTTCTCCGACAGGCCCTCCACCGGCCCTACCCTGGGTAAAGGCCCTGGAGCAG	1380
Db	1321	GGGGTGACTTCTCCGACAGGCCCTCCACCGGCCCTACCCTGGGTAAAGGCCCTGGAGCAG	1380
Qy	1381	GAAGCAGGGCAGAGAACCTCTGGAGCAGCCCATACCGGCCCTGGCCTGACTCTGCCACTG	1440
Db	1381	GAAGCAGGGCAGAGAACCTCTGGAGCAGCCCATACCGGCCCTGGCCTGACTCTGCCACTG	1440
Qy	1441	GCAGCAGTCAACACAGCAGGTTCCTACACAGCAGAGGGCAAGGCCATCATCAGCTCC	1500
Db	1441	GCAGCAGTCAACACAGCAGGTTCCTACACAGCAGAGGGCAAGGCCATCATCAGCTCC	1500
Qy	1501	CTTTATAAGGAAGGGTTCACGCCTCGGTTGCTGTGAGAGTGTCTGCTGGTCTCTGTG	1560

RESULT 4

US-10-209-737-2

00 10 203 137 2 : Sequence 2, Application US/10209737

: Publication No. US20030083485A1

: FUDTICALION NO: US20
: GENERAL INFORMATION:
: GENERAL INFORMATION:

GENERAL INFORMATION:
APPLICANT: pfizer Inc

APPLICANT: Pfizer Inc.
APPLICANT: Milos Patrice M

APPLICANT: Webb, Suzin M

APPLICANT: Webb, Suzin M.
TITLE OF INVENTION: NO. US20030083485A1e] Variants Of The Human CYP206 Gene

; TITLE OF INVENTION: NO. US2
: FILE REFERENCE: PC11033AGPB

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; FILE REFERENCE: PC11033AGPR
; CURRENT APPLICATION NUMBER: US/10/200 737

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;; CURRENT APPLICATION NUMBER: US/1
: CURRENT FILING DATE: 2003-07-31

; CURRENT FILING DATE: 2002-07-31
 ; PRIOR APPLICATION NUMBER: PG 50/200 111

;; PRIOR APPLICATION NUMBER: US 6
: PRIOR FILING DATE: 2001-07-21

; PRIOR FILING DATE: 2001
: NUMBER OF SEQ. ID NOS.: 2

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: Pat

; SEQ ID NO 2

; LENGTH: 9

; TYPE: DNA

; ORGANISM: H

Query Match 99.88: Score 1677.2: DB 9: Length 9433:

Best Local Similarity 99.68; Pred. No. 0;

BEST LOCAL SIMILARITY 55.00, PRED. NO: 0,
 Matches 1673; Conservative 7; Mismatches 0: Indels 0: Gaps 0:

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D**b** 61 AGCTGGGATTGGGTGGGCTCATGCCCTAATCCCAGCACTTTGGGAGCCTGAGGTG 12

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D_b 121 GG TGG ATC ACC TGA AGT CAG GAG TCA AGA CTAG CCTGG CCAACA TGGTGA AACCTATC 18

QV 181 TCTACTGAAAATAYAAAAAGCTAGACGTGGTGGCACACACCTGTAAATCCAGCTACTTAG 24

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QV 241 GAGGCTGAGGCAGGAGAAATTCCTTGAAGCCTAGAGGTTGAAGGTTGTAGTGAGCCGAGATT 30

D_b 241 GAGGCTGAGGCAGGAGAAATTGCTTGAAGCCTAGAGGTTGAAGGTTGTAGTGAGCCGAGATT 30

[illegible]

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301 GCATCA^{TT}GCACAA^TGGAGGGGAGCCACCAGCC^{TT}GGGCAACAAGAGGAA^{AT}CTCCGTC^{TC} 36

361 CAAAAAAAAAAAAAAAAAGGATTTAGGCTGGGTGGCTGTAGTCCACCTACTT A2

QY 361 CATTATATAAATAAAAGRATTAGGCTGGGTGGTGCCTGTAGTCCAGCTACTT 42

Qy	541	CTGAACAAAGGATCCTCCATAAGCTTCCCACACAGATTTCCTAATCAGAAAAATCGAGGCCA	600
Db	541		
		CTGAACAAAGGATCCTCCATAAGCTTCCCACACAGATTTCCTAATCAGAAAAATCGAGGCCA	600
Qy	601	GAAGACAGTGGAGGAGGACRACCTCAGGCAGAGCCCGGAGGATGTTCTCACAGCTGGGG	660
Db	601		
		GAAGACAGTGGAGGAGGACRACCTCAGGCAGAGCCCGGAGGATGTTCTCACAGCTGGGG	660
Qy	661	CAAGGGCTTCCGGCTACCAACTGGGAGCTCTGGGAACAGCCCTGTTGCAACAAGAAGC	720
Db	661		
		CAAGGGCTTCCGGCTACCAACTGGGAGCTCTGGGAACAGCCCTGTTGCAACAAGAAGC	720
Qy	721	CATAGCCCGCCAGAGCCAGGAATGCGGCTGGGCTGGGAGCAGCCTCTGGACAGGAGT	780
Db	721		
		CATAGCCCGCCAGAGCCAGGAATGCGGCTGGGCTGGGAGCAGCCTCTGGACAGGAGT	780
Qy	781	GGTCCCATCAGGAACCTCCGGCATGGCTGGGAAGTGGGTACTTGGTGCCGGGTCTGT	840
Db	781		
		GGTCCCATCAGGAACCTCCGGCATGGCTGGGAAGTGGGTACTTGGTGCCGGGTCTGT	840
Qy	841	ATGTGTGTGACTGTGTGTGTGAGAGAAATGTGTGYCTAAGTGTCAAGTGTGAGTCT	900
Db	841		
		ATGTGTGTGACTGTGTGTGTGAGAGAAATGTGTGYCTAAGTGTCAAGTGTGAGTCT	900
Qy	901	GTGTATGTGTGAATATTTGTCTTTGTGTGGGTGATTTCTGCRGTGTAAATCGTGTCCCTG	960
Db	901		
		GTGTATGTGTGAATATTTGTCTTTGTGTGGGTGATTTCTGCGTGTGTAAATCGTGTCCCTG	960
Qy	961	CAAGTGTGAACAAGTGGACAAGTGTCTGGCAGTGGACAAGAGATCTCTGCACCATCAGT	1020
Db	961		
		CAAGTGTGAACAAGTGGACAAGTGTCTGGCAGTGGACAAGAGATCTCTGCACCATCAGT	1020
Qy	1021	GTGTGCATAGCGTCTGTGCATGTCAAGAGTGCAAAGTGAAGTGAAGGACCAAGGCCCATG	1080
Db	1021		
		GTGTGCATAGCGTCTGTGCATGTCAAGAGTGAAGTGAAGGACCAAGGCCCATG	1080
Qy	1081	ATGCCACTCATCAGGAGCTCTAAGCCCCCAGGTAAAGTGCCAGTGCACAGATAAGGGTG	1140
Db	1081		
		ATGCCACTCATCAGGAGCTCTAAGCCCCCAGGTAAAGTGCCAGTGCACAGATAAGGGTG	1140
Qy	1141	CTGAAGTCACTCTGGAGTGGGAGGTGGGGGTAGGAAAAGGCAAGGCCCATGTTCTGGA	1200
Db	1141		
		CTGAAGTCACTCTGGAGTGGGAGGTGGGGGTAGGAAAAGGCAAGGCCCATGTTCTGGA	1200
Qy	1201	GGAGGGTGTGACTACATTAAGGTGTATAGAGCTAGCTGGGAGTGGATGGCCRGCTC	1260
Db	1201		
		GGAGGGTGTGACTACATTAAGGTGTATAGAGCTAGCTGGGAGTGGATGGCCRGCTC	1260
Qy	1261	ACTGAACCTGTGTTATCCAGAAAGCTTTTCAGGCTTCAGGAGTTCAGGAGTGGGGAGAG	1320
Db	1261		
		ACTGAACCTGTGTTATCCAGAAAGCTTTTCAGGCTTCAGGAGTTCAGGAGTGGGGAGAG	1320
Qy	1321	GGGTGTACTTCTCCGACAGGCCCTCCACCGGCTACCTGGGTAAAGGCCCTGGAGCAG	1380
Db	1321		
		GGGTGTACTTCTCCGACAGGCCCTCCACCGGCTACCTGGGTAAAGGCCCTGGAGCAG	1380
Qy	1381	GAAGCAGGGCAAGAACCTCTGAGCAGCCCCATACCGGCCCTGGCTGTACTTGCACACTG	1440
Db	1381		
		GAAGCAGGGCAAGAACCTCTGAGCAGCCCCATACCGGCCCTGGCTGTACTTGCACACTG	1440
Qy	1441	GCAGCAGTCAACACAGCAGGTTCACCTCACACAGAGGGCAAGGCCATCATCAGCTCC	1500
Db	1441		
		GCAGCAGTCAACACAGCAGGTTCACCTCACACAGAGGGCAAGGCCATCATCAGCTCC	1500
Qy	1501	CTTTATAAGGGAAGGTTCACCGCTCGGTGTGCTGAGAGTGTCTGCTCGTCTCTGTGTG	1560
Db	1501		
		CTTTATAAGGGAAGGTTCACCGCTCGGTGTGCTGAGAGTGTCTGCTCGTCTCTGTGTG	1560
Qy	1561	CTGTGTGGGTGGGGTGCAGGTGTGTCCAGAGGAGCCCATTTGGTGTAGTGAGGCAAGTA	1620
Db	1561		
		CTGTGTGGGTGGGGTGCAGGTGTGTCCAGAGGAGCCCATTTGGTGTAGTGAGGCAAGTA	1620

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Qy      1621  TGGGGCTAGGAAGCACTGGTGGCCCTGGCCCGTGATAGTGGCCATCTTCCCTGCTCCTGGTGG 1680
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Db      1621  TGGGGCTAGGAAGCACTGGTGGCCCTGGCCCGTGATAGTGGCCATCTTCCCTGCTCCTGGTGG 1680
      |||||||

RESULT 5
US-09-764-891-9601
; Sequence 9601, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9601
; LENGTH: 13409
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9601

```

RESULT 6
US-09-835-081-3/c
; Sequence 3, Application US/09835081
; Patent No. US20020151020A1

; GENERAL INFORMATION:
; APPLICANT: YAN, Xianghe et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001224
; CURRENT APPLICATION NUMBER: US/09/835,081
; CURRENT FILING DATE: 2001-04-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 57130
; TYPE: DNA
; ORGANISM: Human
US-09-835-081-3

Query Match 14.8%; Score 249; DB 10; Length 57130;
Best Local Similarity 72.4%; Pred. No. 1.4e-61;
Matches 402; Conservative 3; Mismatches 113; Indels 37; Gaps 5;
QY 1 GAATTCAGACAGCCTGGACAACTTGGAGAACCGGGTCTCTACAAAAATACAAAAAT 60
Db 22550 GAGTTCAAGATCGGCTGGCCCAACATGTTGAATCCCATCTCTACTAAAAATACAAAAAT 22491
QY 61 AGCTGGGATTGGGTGGGTGGTCTCATGCTATAATCCAGCACTTTGGGAGCCTGAGGTG 120
Db 22490 T----GGGCTGGCACCGTGGCTCAGCGCTGTAATCGCAGAACTTTGGGAAGCCGAGGTG 22435
QY 121 GGTGATCACCCTGAAGTTCAGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCTATC 180
Db 22434 GGCAGTACCTGAGTGGGAGTTCAAGACAGCCTGACCAACATGGAGAAACCCCGTC 22375
QY 181 TCTACTGAAATAYAAAA--AGCTAGAGTGGTGGCACACACCTGTAATCCAGCTACTT 238
Db 22374 TCTACTAAAAATACAAAAATAGCTGGCGTGGTGGCATGCTATAATCCAGTACTC 22315
QY 239 AGGAGCTGAGCAGGAGAATTCCTGAAGCTAGAGTGAAGTTGTAGTGAGCCGAGA 298
Db 22314 GGGAGGCTGAGCAGGAGAAATTCCTGAACCCAGAGGTGGGTTGGCGTGAGCCGAGA 22255
QY 299 TTGCATCATTTGCACATAGGAGGGAGCCACAGCCTGGGCAACAGAGAAATCTCCGTC 358
Db 22254 TCATGCCATTGCA-----CTCCAGCCTGGGCAACAGAGCGAACTCCCGTC 22209
QY 359 TCCAAAAAATAAAAAAAGRAATAGGCTGGGTG---GTGCGCTGAGTCCGAGC 415
Db 22208 TCAAAAAACATAAGATAAAATAGCCGGCATGGTGGTGGCGCAGTAGTCCGAGG 22149
QY 416 TACTTGGAGGAGGGGTCCACTT-----GATGTCGAGACTGCAGTGAGC 461
Db 22148 TACTCAGGAGCTGAGGCACAAAAATTCCTTGAACCTGGGAGGAGAGGTTGCAGTGAGC 22089
QY 462 CATGATCTGCCTGCACTCGGCTGGGCAACAGAGTGAAGCCCTGTCTTAAAGAAAA 521
Db 22088 TGAGACTTGGCACTGCCTCCAGCCTGAGCAACAGAGTGAAGTGTCTCAAAAAA 22029
QY 522 AAAAATAAGCAACA 536
Db 22028 AGAAAAAGCTAGACA 22014

RESULT 7
US-10-096-960-3
; Sequence 3, Application US/10096960
; Patent No. US20020132325A1
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001158D1V
; CURRENT APPLICATION NUMBER: US/10/096,960
; CURRENT FILING DATE: 2002-03-14

; PRIOR APPLICATION NUMBER: 09/800,960
; PRIOR FILING DATE: 2001-03-08
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 62804
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)---(62804)
; OTHER INFORMATION: n = A,T,C or G
US-10-096-960-3

Query Match 14.5%; Score 244.2; DB 12; Length 62804;
Best Local Similarity 73.3%; Pred. No. 3.5e-60;
Matches 407; Conservative 3; Mismatches 101; Indels 44; Gaps 6;
QY 1 GAATTCAGACAGCCTGGACAACTTGGAGAACCGGGTCTCTACAAAAATACAAAAAT 60
Db 54067 GAGTTCAAAACAGCCTGGCCCAACATGATGAACCCCGCTCTCTACTAAAAATACAAAAA 54126
QY 61 AGCTGGGATTGGGTGGGTGGTCTCATGCTATAATCCAGCACTTTGGGAGCCTGAGGTG 120
Db 54127 AGGCC-----GGGCGTAGTGGCTCAGCGCTGTAATCCCAACACTTTGGGAGGCCAAGGTG 54181
QY 121 GGTGATCACCCTGAA--GTCCAGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCCCTAT 179
Db 54182 GGTGATCACCCTGAAGGTCAAGAGTTCAAGACCAGCCTGGCCCAACATGGTGAACCTCAT 54241
QY 180 CTCCTACTGAAATAYAAAAAGCTAGACGTG---GTGGCACACACCTGTAAATCCAGCTAC 236
Db 54242 CTCCTACTGAAATATAAAAATATTAGCCAGGTGTGGGCGAGGTGCTGTAAATCGTAGCTAC 54301
QY 237 TTAGAGGCTGAGCGAGGAGAAATTCCTGAAGCCTAGAGGTGAAGTTGTAGTGAGCCGA 296
Db 54302 TCGGAGCGGAGGTGGGAGAAATTCCTGAACCTGGGAGGTGGAGGTGGCAGTGAGCCGA 54361
QY 297 GATTGCTATTCACATTCACAAATAGAGGGAGCCACACCTGGGCAACAAGAGAGAAATCTCCG 356
Db 54362 GATCACCCTCAATGCA-----CTCCAGCCTGGGCAACAAGAGCGAACTCTCT 54407
QY 357 TCTCCAAAAAATAAAAAAAGRAAT-----TAGGCTGGGTGGTGGCTGTAGT 409
Db 54408 TCTCAAAAAAATAAAAAAAGRAAT-----TAGGCTGGGTGGTGGTGGTGGTGGTGGTGGT 54467
QY 410 CCCAGCTACTTGGGAGGCGAGGG-----GTCCACTTGTGTGCGAGCTGCA 455
Db 54468 CCCAGCTACTTGGGAGGCTGAGGCATGAAATGGCTTGAACCCGGGAGGTGGAGGTGCA 54527
QY 456 GTGAGCCATGATCTGCCACTTGCCTCGGCTGGGCAACAGAGTGAAGCCCTGTCTTAAA 515
Db 54528 GTGAGCTGAGATTGCACCACTGCCTCCAGCCTGGTGGTGACAGCGAGACTCTCTCTCAA 54587
QY 516 GAAAAAATAAATAA 530
Db 54588 GAAAAAATAAATAA 54602

RESULT 8
US-09-764-891-9918
; Sequence 9918, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9918

```

; LENGTH: 5881
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-9918

Query Match      14.5%; Score 243.8; DB 9; Length 5881;
Best Local Similarity 72.6%; Pred. No. 1.7e-60;
Matches 409; Conservative 2; Mismatches 114; Indels 38; Gaps 6;

QY 1 GAATTCAGACACCGCTGGACAACTTGGAGAACCCSGGTCTCTACAAAAATACAAAATT 60
Db 1276 GAGTTTGAGACCAACCTGGCCAAACATAGTGAACCCCTGTCTACTAAAAATACAAAAT 1655
QY 60 TAGCTGGGATT-----GGGTGGCGTGGCTCATGCCCTATATATCCAGCAGCTTTGGGACCT 114
Db 1336 TAGCTGGGATGAGCGGGTGGCGGTGGCTCAACCTGTATATCCAGCAGCTTTGGGAGGCT 1395
QY 115 GAGGTGGGTGGTCACTCAAGTTCAGGAGTTCAGGACTAGCCCTGGCCCAACATGGTGAAC 174
Db 1396 GAGGTGGGTAGATTGCTGAGCTCAGGAGTTCGAGACCCAGCCCTGGGCAACATGTTGAAC 1455
QY 175 CCTATCTCTACTGAAA---ATATATAAAGCTAGACGTGGTGGGCACACACCTGTAAATCCCA 231
Db 1456 CTTGTCTCTACTATAATAACAAAAATAGTGGGCGATGTTGGCGTGCACCTGTATATCCCA 1515
QY 232 GCTACTTAGGAGCTGAGGCGAGAGAAATGCTTTGAAGCCCTAGAGGTGAAGGTTGTAGTGA 291
Db 1516 GCTACTCAGGAGCTGAGACGAGAGAAATGCTTTGAAGCCCTAGAGGTGAAGGTTGTAGTGA 1575
QY 292 GCCGAGATTGTCATCATTTGCACAAATGAGGGGAGCCACAGCCCTGGGCAACAGAGGAAT 351
Db 1576 GCCGAGATTGCACAGTGCA-----CTCCAGCCCTGGGCGAC-AGAGTGAGA 1620
QY 352 CTCGGTCTCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 411
Db 1621 CTCATCTCTAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATA 1680
QY 412 CAGCTACTTGGGAGCGAGGGGTCCCA-----CTTGTATGTCGAGACTGCAGT 457
Db 1681 CAGCTACTCGGAGGCTGAGGCGAGAGAAATGCTTTAACCAGGAGGTGGAGGTTCGAGT 1740
QY 458 GAGCCATGATCTGCCACTGCATCCGGCTCGGCAACAGAGTGAAGCCCTGTCTTAAGA 517
Db 1741 GAGCCAAAGATCAGCCATTCGACTCCAGCCCTGGTGCAGAGTGCAGACTTACCTCAAAA 1800
QY 518 AAAAAAATAAAGCAACATATC 540
Db 1801 AAAAAATATATATATATTTAAC 1823

RESULT 9
US-09-764-891-5477
; Sequence 5477, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5477
; LENGTH: 13862
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-5477

Query Match      14.4%; Score 242.2; DB 9; Length 13862;
Best Local Similarity 68.3%; Pred. No. 7.1e-60;
Matches 405; Conservative 3; Mismatches 151; Indels 34; Gaps 4;

QY 1 GAATTCAGACACCGCTGGACAACTTGGAGAACCCSGGTCTCTACAAAAATACAAAATT 60
Db 1596 GAGTTTGAGACCAACCTGGCCAAACATAGTGAACCCCTGTCTACTAAAAATACAAAAT 1655
QY 61 AGCTGGGATTGGGTGC-----GGTGGCTCATGCCCTATATATCCAGCAGCTTTGGGA 110
Db 1656 TAGCCAGCATGGCGCGGCATGCTGGTGGCTCATGCCCTGTATATCCAGCAGCTTTGGGA 1715
QY 111 GCTGAGGTGGTGGATCATCTGAAGTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAG 170
Db 1716 GGCAGGAGGTGGCGGGATCAGCTGAGGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAG 1775
QY 171 AAACCCCTATCTCTACTGAAATATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 227
Db 1776 AAACCCCTATCTCTATTAATAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1835
QY 228 CCAGCTACTTAGGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 287
Db 1836 CCAGCTACTTCGGAAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1895
QY 288 GTGAGCGGAGATTGCATCATTCACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
Db 1896 CCGAGCGGAGATTGTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1955
QY 348 AAATCTCGTCTCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 401
Db 1956 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2015
QY 402 -CCTGTAGTCCCGACTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 446
Db 2016 ACCTGTAGTCTAGTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTCA 2075
QY 447 GAGACTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 506
Db 2076 GAGATTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2135
QY 507 CTGTCTAAACAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 559
Db 2136 CTGTCTAAACAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2188

US-09-764-891-10204
; Sequence 10204, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10204
; LENGTH: 13862
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-10204

Query Match      14.4%; Score 242.2; DB 9; Length 13862;
Best Local Similarity 68.3%; Pred. No. 7.1e-60;
Matches 405; Conservative 3; Mismatches 151; Indels 34; Gaps 4;

QY 1 GAATTCAGACACCGCTGGACAACTTGGAGAACCCSGGTCTCTACAAAAATACAAAATT 60
Db 1596 GAGTTTGAGACCAACCTGGCCAAACATAGTGAACCCCTGTCTACTAAAAATACAAAAT 1655
QY 61 AGCTGGGATTGGGTGC-----GGTGGCTCATGCCCTATATATCCAGCAGCTTTGGGA 110
Db 1656 TAGCCAGCATGGCGCGGCATGCTGGTGGCTCATGCCCTGTATATCCAGCAGCTTTGGGA 1715
QY 111 GCCTGAGGTGGTGGATCATCTGAAGTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAG 170
Db 1836 TAGCCAGCATGGCGCGGCATGCTGGTGGCTCATGCCCTGTATATCCAGCAGCTTTGGGA 1775
QY 171 AAACCCCTATCTCTACTGAAATATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 227
Db 1776 AAACCCCTATCTCTATTAATAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1835
QY 228 CCAGCTACTTAGGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 287
Db 1836 CCAGCTACTTCGGAAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1895
QY 288 GTGAGCGGAGATTGCATCATTCACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
Db 1896 CCGAGCGGAGATTGTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1955
QY 348 AAATCTCGTCTCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 401
Db 1956 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2015
QY 402 -CCTGTAGTCCCGACTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 446
Db 2016 ACCTGTAGTCTAGTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTCA 2075
QY 447 GAGACTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 506
Db 2076 GAGATTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2135
QY 507 CTGTCTAAACAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 559
Db 2136 CTGTCTAAACAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2188

RESULT 10
US-09-764-891-10204
; Sequence 10204, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10204
; LENGTH: 13862
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-10204

Query Match      14.4%; Score 242.2; DB 9; Length 13862;
Best Local Similarity 68.3%; Pred. No. 7.1e-60;
Matches 405; Conservative 3; Mismatches 151; Indels 34; Gaps 4;

QY 1 GAATTCAGACACCGCTGGACAACTTGGAGAACCCSGGTCTCTACAAAAATACAAAATT 60
Db 1596 GAGTTTGAGACCAACCTGGCCAAACATAGTGAACCCCTGTCTACTAAAAATACAAAAT 1655
QY 61 AGCTGGGATTGGGTGC-----GGTGGCTCATGCCCTATATATCCAGCAGCTTTGGGA 110
Db 1656 TAGCCAGCATGGCGCGGCATGCTGGTGGCTCATGCCCTGTATATCCAGCAGCTTTGGGA 1715
QY 111 GCCTGAGGTGGTGGATCATCTGAAGTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAGAGTTCAG 170
Db 1836 TAGCCAGCATGGCGCGGCATGCTGGTGGCTCATGCCCTGTATATCCAGCAGCTTTGGGA 1775
QY 171 AAACCCCTATCTCTACTGAAATATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 227
Db 1776 AAACCCCTATCTCTATTAATAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 1835
QY 228 CCAGCTACTTAGGAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 287
Db 1836 CCAGCTACTTCGGAAGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1895
QY 288 GTGAGCGGAGATTGCATCATTCACATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 347
Db 1896 CCGAGCGGAGATTGTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1955
QY 348 AAATCTCGTCTCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 401
Db 1956 AAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2015
QY 402 -CCTGTAGTCCCGACTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 446
Db 2016 ACCTGTAGTCTAGTACTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGTCA 2075
QY 447 GAGACTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 506
Db 2076 GAGATTGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2135
QY 507 CTGTCTAAACAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 559
Db 2136 CTGTCTAAACAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2188
```

Db 1716 GCGCAGGTGGCGGATCACTGAGTTCAGAGTTCAGAGCCAGCTGGACAAATGGCA 1775
QY 171 AAACCTTACTCTACTGAAAATAYAAAA---AGCTAGACGCTGGCCACACACCTGTAA 227
Db 1776 AAACCTTCTCTATTAATAATACAAAATAGCCAGGCTTATGGTAGGCGCCATATAT 1835
QY 228 CCCAGCTACTTAGGAGGTGAGGAGGAGAAATGCTGAAGCTAGAGGTGAAGTTGTA 287
Db 1836 CCCAGCTACTGGAGGCTGAGGAGGAGAAATCGTTTGAAGCCAGGAGCGAGTTTGA 1895
QY 288 GTGAGCCGAGATTCATATTCACAATGGAGGGAGCCACCAGCTGGGCAACAGAGG 347
Db 1896 CCGAGCCGAGATTTGCCCACCTGCATCCAGCTGGCGGATTAAGCGAGACTCTGTCTCAG 1955
QY 348 AAATCTCCGCTCCCAAAAAAATAAAAAAAGRATTAGGCTGGGTGGTG----- 401
Db 1956 AAAAAAATAAAGAAAGAAAGAAAGAAAGAAATAGCCAGGCTGGTGCAATGC 2015
QY 402 -CCTGTAGTCCAGCTACTTGGGAGGAGGAGGCTGCCT-----TGATGTC 446
Db 2016 ACCTGTAGTCTAGTACTTGGGAGGCTGAGGCAAGAATCACTTGATCTCTGTGAGTCA 2075
QY 447 GAGACTGCAGTGAGCATGATCTGCCACTGCACCTCCGGCTGGGCAACAGAGTGAGACC 506
Db 2076 GAGATTGCAGTGAGCGGAGATCAGTCACTGCATCTCCAGCTGGGTGACAGCAAGACT 2135
QY 507 CTGTCTAAAGAAAAAATAAAGCAACATATCTGTAACAAAGGATCCTCCA 559
Db 2136 CTGTCTCAACAAAAAATAAAGCAACAAACAAACAGAAACAAACAAACAAACA 2188
RESULT 11
US-10-222-334-7/c
; Sequence 7, Application US/10222334
; Publication No. US20030073116A1
; GENERAL INFORMATION:
; APPLICANT: Ginsburg, David
; APPLICANT: Levy, Galila
; APPLICANT: Tsai, Han-Mou
; TITLE OF INVENTION: ADAMTS13 Genes and Proteins and Variants, and Uses Thereof
; FILE REFERENCE: UM-07288
; CURRENT APPLICATION NUMBER: US/10/222,334
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: 60/312,834
; PRIOR FILING DATE: 2001-08-16
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 7
; LENGTH: 60153
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-222-334-7

Query Match 14.4%; Score 242; DB 9; Length 60153;
Best Local Similarity 71.7%; Pred. No. 1.5e-59;
Matches 396; Conservative 3; Mismatches 118; Indels 35; Gaps 5;
QY 1 GAATTCAGACAGCAGCTGGACAACTTGGAGAACCGSGGTCTCTACAAAAAATACAAAATT 60
Db 2515 GAGTTCGAGATCAGCTGGCCAGCATAGTGAACCCGCTCTCTTTTCAAAA--ATACAA 2459
QY 61 AGCTGGGATTTGGGTGGCGTGCATCGCTATATCCAGACACTTTGGGAGCCCTGAGGTG 120
Db 2458 AAATTAGGCTAGGTGGGTGGCTCAGCGCTGATATCCCAACACTTTGGGAGGCTGAGGCG 2399
QY 121 GGTGGATCACTGAAGTCAGAGTTCAAGACTAGCCTGGCCAAACATGTTGAACCCCTATC 180
Db 2398 AGAGGATCACTGATGTCTGGAGATTCATCCAGCCCTGGCCAAACATGGAGAAACCCCATC 2339
QY 181 TCTACTGAAAATAYAAAA---AGCTAGACGCTGGTGGCCACACACCTGTAAATCCAGCTACT 238
Db 2338 TCTACTAAAGTACAAAAATAGCGGCGGTGGTGGCCATGCTGTGTAATCCAGCTACTC 2279

QY 239 AGGAGGCTGAGCGAGGAGAAATTTGCTTGAAGCTAGAGGTGAAGTTGTAGTGAGCCGAGA 298
Db 2278 GGGAGGCTGAGCGAGGAGAAATCACTTTGAACCGGAGGTGGAGGTTGCGGTGAGCCGAGA 2219
QY 239 TTGCATCATTTGCACAAATGGAGGGAGCCACCAGCCTGGGCAACAGAGAAATCTCCGTC 358
Db 2218 TTGGCCCATTTGCAT-----CCAGCTTGGGCGACAAAGAGCATAACTTCGTC 2173
QY 359 TCCAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 418
Db 2172 TC--AAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2115
QY 419 TTGGGAGGAGGAGG-----GTCCACTTTGATGTGAGAGACTGCAGTGAAGCCAT 464
Db 2114 CCAGGAGGCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2055
QY 465 GATCCTGCACCTGCACCTCGGCTGGGCAACAGAGTGAGACCCCTCTTAAGAAAAAATAA 524
Db 2054 TATCAGCCCACTGCACCTCCAGCTGGGCAACAGAGTCCGCTCTCAAAACAACAA 1995
QY 525 AATAAGCAACA 536
Db 1994 AAAAAACAATA 1983
RESULT 12
US-09-880-107-2362/c
; Sequence 2362, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2362
; LENGTH: 15849
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 M58600
US-09-880-107-2362

Query Match 14.3%; Score 240.2; DB 10; Length 15849;
Best Local Similarity 71.6%; Pred. No. 2.9e-59;
Matches 396; Conservative 2; Mismatches 120; Indels 35; Gaps 5;
QY 1 GAATTCAGACAGCAGCTGGACAACTTGGAGAACCGSGGTCTCTACAAAAAATACAAAATT 60
Db 5230 GAGCTCAAGACAGGTTGGGCAACATAGCAAGACCTCATCTCTGTGAAAAATTAATA-- 5173
QY 61 AGCTGGGATTTGGGTGGCGTGCATCGCTATATCCAGACACTTTGGGAGCCCTGAGGTG 120
Db 5172 --AATAGGCTGGGTGGGTGGCTCAGGTTCAGTAAATCCAGACACTTTGGGAGGCGGAGGTG 5115
QY 121 GGTGGATCACTGAAGTCAGGAGTTCAAGACTAGCCTGGCCAAACATGTTGAACCCCTATC 180
Db 5114 GCGCGATCATCTGAGGTGGGAGTTTCAGACACAGCCTGGCCAAACATGGAGAAACCCCTGTC 5055
QY 181 TCTACTGAAAATAYAAAAAGCT----AGACGCTGGTGGCCACACACCTGTAAATCCAGCTTAC 236
Db 5054 TCTACAAAAATACAAAAAATAAATAGCCGCGCTGGTGGCGCATGCTGTGTAATCCAGATAC 4995

Db 11371 GCATGTCGTGCCACTGCCACTCCAGTGTGGTAAACAGAGTGAGACCTCGTCTCAAAAA 11312

Qy 520 AAAAAAATAAGCAACA 536
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Db 11311 AAAAAAAAAAAAAAAAAAAAA 11295

RESULT 15

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US-10-091-504-2209
; Sequence 2209, Application US/10091504
; Publication No. US2003005908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
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; LENGTH: 32190
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-504-2209

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OM nucleic - nucleic search, using sw model

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Title: US-09-942-310-2

Perfect score: 1680

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Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 441362 seqs, 153338381 residues

Word size : 15

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Database : Issued Patents, NA:*

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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6	42	2.5	84495	4	Sequence 3, Appl
7	41	2.4	2115	1	Sequence 7, Appl
8	41	2.4	3715	4	Sequence 44, Appl
9	41	2.4	111282	4	Sequence 3, Appl
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11	38	2.3	11298	1	Sequence 2, Appl
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13	38	2.3	112132	4	Sequence 3, Appl
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24	36	2.1	152331	3	Sequence 16, Appl
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26	35	2.1	6235	4	Sequence 5, Appl
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c 277	27	1.6	43795	4	US-09-810-347-3	Sequence 3, Appl1	c 350	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 278	27	1.6	55827	4	US-09-813-133A-3	Sequence 3, Appl1	351	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 279	27	1.6	62804	4	US-09-800-960-3	Sequence 3, Appl1	352	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 280	27	1.6	65042	4	US-09-784-318-3	Sequence 3, Appl1	353	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 281	26	1.5	56	2	US-08-776-944-9	Sequence 9, Appl1	354	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 282	26	1.5	112	2	US-08-454-557C-27	Sequence 27, Appl1	c 355	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 283	26	1.5	112	2	US-08-340-426D-27	Sequence 27, Appl1	c 356	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 284	26	1.5	112	2	US-08-450-673C-27	Sequence 27, Appl1	c 357	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 285	26	1.5	112	5	PCT-US95-17111A-27	Sequence 27, Appl1	c 358	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 286	26	1.5	322	4	US-09-385-982-216	Sequence 216, App	c 359	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 287	26	1.5	322	4	US-09-385-982-362	Sequence 362, App	c 360	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
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289	26	1.5	377	2	US-08-340-426D-37	Sequence 37, Appl1	c 362	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
290	26	1.5	377	2	US-08-450-673C-37	Sequence 37, Appl1	c 363	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
291	26	1.5	377	5	PCT-US95-17111A-37	Sequence 37, Appl1	c 364	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
292	26	1.5	382	4	US-09-438-906-23	Sequence 23, Appl1	c 365	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 293	26	1.5	403	4	US-09-385-982-29	Sequence 29, Appl1	c 366	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
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296	26	1.5	619	4	US-09-152-060-17	Sequence 17, Appl1	c 369	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
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298	26	1.5	685	4	US-09-227-357-100	Sequence 100, App	c 371	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
c 299	26	1.5	764	4	US-09-288-143-57	Sequence 57, Appl1	372	26	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
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316	26	1.5	1480	2	US-08-454-557C-38	Sequence 38, Appl1	c 389	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
317	26	1.5	1480	2	US-08-340-426D-38	Sequence 38, Appl1	c 390	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
318	26	1.5	1480	2	US-08-450-673C-38	Sequence 38, Appl1	c 391	25	1.5	1501	2	US-08-145-658D-24	Sequence 24, Appl1
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C 545	25	1.5	10825	3	US-08-834-497A-7	Sequence 7, Appll	C 618	24	1.4	470	4	US-09-030-607-102	Sequence 102, App
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C 547	25	1.5	10825	4	US-09-503-444A-3	Sequence 3, Appll	C 620	24	1.4	470	4	US-09-439-313-102	Sequence 102, App
C 548	25	1.5	10825	4	US-09-503-444A-5	Sequence 5, Appll	C 621	24	1.4	470	4	US-09-352-616A-102	Sequence 102, App
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C 551	25	1.5	10898	2	US-08-477-504A-5	Sequence 5, Appll	C 624	24	1.4	509	4	US-09-030-607-202	Sequence 202, App
C 552	25	1.5	10898	2	US-08-486-756A-5	Sequence 5, Appll	C 625	24	1.4	509	4	US-09-605-785-202	Sequence 202, App
C 553	25	1.5	10898	2	US-08-485-862B-5	Sequence 5, Appll	C 626	24	1.4	509	4	US-09-439-313-202	Sequence 202, App
C 554	25	1.5	10898	3	US-08-787-739-5	Sequence 5, Appll	C 627	24	1.4	509	4	US-09-352-616A-202	Sequence 202, App
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C 558	25	1.5	10898	4	US-09-178-115-5	Sequence 5, Appll	C 631	24	1.4	569	4	US-09-327-357-89	Sequence 89, Appl
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C 560	25	1.5	11517	1	US-07-920-281C-1	Sequence 1, Appll	C 633	24	1.4	578	4	US-09-328-111-757	Sequence 757, App
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C 563	25	1.5	12394	4	US-09-488-856A-10	Sequence 10, Appll	C 636	24	1.4	606	4	US-09-040-984-55	Sequence 55, Appl
C 564	25	1.5	14753	4	US-09-821-736-3	Sequence 3, Appll	C 637	24	1.4	606	4	US-09-123-912-55	Sequence 55, Appl
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C 567	25	1.5	18609	4	US-08-943-731-1	Sequence 1, Appll	C 640	24	1.4	608	4	US-09-385-982-183	Sequence 183, App
C 568	25	1.5	26664	4	US-09-564-805-28	Sequence 28, Appll	C 641	24	1.4	611	4	US-09-385-982-178	Sequence 178, App
C 569	25	1.5	28001	4	US-09-819-993-3	Sequence 3, Appll	C 642	24	1.4	611	4	US-09-385-982-393	Sequence 393, App
C 570	25	1.5	35060	3	US-08-814-095-7	Sequence 7, Appll	C 643	24	1.4	622	4	US-09-385-982-184	Sequence 184, App
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C 572	25	1.5	45716	4	US-08-965-048-5	Sequence 5, Appll	C 645	24	1.4	629	4	US-09-385-982-305	Sequence 305, App
C 573	25	1.5	45989	4	US-08-965-048-6	Sequence 6, Appll	C 646	24	1.4	631	4	US-09-385-982-354	Sequence 354, App
C 574	25	1.5	50000	4	US-09-146-053-4	Sequence 4, Appll	C 647	24	1.4	632	4	US-09-385-982-499	Sequence 499, App
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C 576	25	1.5	56516	4	US-09-338-907-1	Sequence 1, Appll	C 649	24	1.4	635	1	US-08-416-336-5	Sequence 5, Appll
C 577	25	1.5	56516	4	US-09-218-207-1	Sequence 1, Appll	C 650	24	1.4	635	2	PCT-US94-05354-35	Sequence 35, Appl
C 578	25	1.5	56520	4	US-09-338-907-179	Sequence 179, App	C 651	24	1.4	635	5	PCT-US94-05354-35	Sequence 35, Appl
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C 580	25	1.5	72604	4	US-09-268-992-7	Sequence 7, Appll	C 653	24	1.4	653	4	US-09-373-750-1	Sequence 1, Appll
C 581	25	1.5	72604	4	US-09-657-474-7	Sequence 7, Appll	C 654	24	1.4	657	4	US-09-385-982-91	Sequence 91, Appll
C 582	25	1.5	169998	4	US-09-676-610B-24	Sequence 24, Appll	C 655	24	1.4	658	4	US-09-385-982-327	Sequence 327, App
C 583	24	1.4	38	4	US-09-325-554-7	Sequence 7, Appll	C 656	24	1.4	660	1	US-08-555-678-41	Sequence 41, Appl
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C 586	24	1.4	55	2	US-08-771-624B-8	Sequence 8, Appll	C 659	24	1.4	688	1	US-08-599-252-94	Sequence 94, Appl
C 587	24	1.4	75	2	US-08-776-944-13	Sequence 13, Appll	C 660	24	1.4	688	5	PCT-US96-06583-94	Sequence 94, Appl
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C 589	24	1.4	130	6	5198345-15	Patent No. 5198345	C 662	24	1.4	690	4	US-09-328-111-74	Sequence 74, Appl
C 590	24	1.4	194	3	US-08-951-200A-7	Sequence 7, Appll	C 663	24	1.4	704	4	US-09-122-400B-8	Sequence 8, Appll
C 591	24	1.4	218	4	US-09-480-921B-18	Sequence 18, Appll	C 664	24	1.4	706	4	US-09-191-136-14	Sequence 14, Appl
C 592	24	1.4	263	4	US-09-091-097-26	Sequence 26, Appll	C 665	24	1.4	712	4	US-09-149-476-318	Sequence 318, App
C 593	24	1.4	282	1	US-08-133-629-8	Sequence 8, Appll	C 666	24	1.4	713	4	US-08-943-607-23	Sequence 23, Appl
C 594	24	1.4	291	4	US-09-605-785-8823	Sequence 823, App	C 667	24	1.4	713	4	US-08-943-607-24	Sequence 24, Appl
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C 599	24	1.4	301	4	US-09-439-313-299	Sequence 299, App	C 672	24	1.4	737	2	US-08-257-963B-41	Sequence 41, Appl
C 600	24	1.4	301	4	US-09-352-616A-299	Sequence 299, App	C 673	24	1.4	737	4	US-08-367-841A-41	Sequence 41, Appl
C 601	24	1.4	301	4	US-09-232-149A-299	Sequence 299, App	C 674	24	1.4	737	5	PCT-US95-07201-41	Sequence 41, Appl
C 602	24	1.4	327	4	US-09-385-982-544	Sequence 544, App	C 675	24	1.4	773	4	US-09-149-476-20	Sequence 20, Appl
C 603	24	1.4	330	4	US-09-078-294-24	Sequence 24, Appll	C 676	24	1.4	773	4	US-08-765-340-1	Sequence 1, Appll
C 604	24	1.4	336	4	US-09-385-982-508	Sequence 508, App	C 677	24	1.4	787	1	US-08-236-427-12	Sequence 12, Appl
C 605	24	1.4	342	4	US-09-385-982-342	Sequence 342, App	C 678	24	1.4	798	4	US-09-288-143-21	Sequence 21, Appl
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C 607	24	1.4	374	2	US-08-370-156-24	Sequence 24, Appl	C 680	24	1.4	826	4	US-09-288-143-45	Sequence 45, Appl
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C 609	24	1.4	390	4	US-09-385-982-232	Sequence 232, App	C 682	24	1.4	834	2	US-08-592-541-113	Sequence 113, App
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696	24	1.4	907	4	US-09-149-476-195	Sequence 195, App	769	24	1.4	1781	3	US-08-853-790-2	Sequence 2, Appli
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699	24	1.4	919	3	US-09-248-335-19	Sequence 19, Appli	772	24	1.4	1797	4	US-09-157-603-2	Sequence 2, Appli
700	24	1.4	952	4	US-09-149-476-117	Sequence 117, App	773	24	1.4	1797	4	US-09-587-436-2	Sequence 2, Appli
701	24	1.4	971	4	US-09-535-008-39	Sequence 39, Appli	774	24	1.4	1797	4	US-08-927-165A-2	Sequence 2, Appli
702	24	1.4	1001	4	US-09-641-638-115	Sequence 115, App	775	24	1.4	1798	4	US-09-446-402A-16	Sequence 16, Appli
703	24	1.4	1001	4	US-09-641-638-164	Sequence 164, App	776	24	1.4	1799	4	US-09-329-633A-1	Sequence 1, Appli
c 704	24	1.4	1001	4	US-09-641-638-310	Sequence 310, App	777	24	1.4	1799	4	US-09-079-029-2	Sequence 2, Appli
705	24	1.4	1001	4	US-09-641-638-526	Sequence 526, App	778	24	1.4	1814	4	US-09-347-801-9	Sequence 9, Appli
c 706	24	1.4	1019	4	US-09-177-650-128	Sequence 128, App	779	24	1.4	1831	1	US-08-101-435-3	Sequence 3, Appli
707	24	1.4	1033	4	US-09-173-300-46	Sequence 46, Appli	780	24	1.4	1855	2	US-08-928-613-1	Sequence 1, Appli
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c 710	24	1.4	1116	4	US-09-177-325-1	Sequence 1, Appli	783	24	1.4	1868	4	US-09-739-455-1	Sequence 1, Appli
c 711	24	1.4	1116	4	US-09-411-812A-1	Sequence 1, Appli	784	24	1.4	1878	4	US-09-732-025-1	Sequence 1, Appli
c 712	24	1.4	1116	4	US-09-590-113-1	Sequence 1, Appli	785	24	1.4	1882	3	US-08-501-572-4	Sequence 4, Appli
713	24	1.4	1128	3	US-09-136-628-1	Sequence 1, Appli	786	24	1.4	1882	3	US-09-040-444-4	Sequence 4, Appli
714	24	1.4	1215	2	US-08-370-156-26	Sequence 26, Appli	787	24	1.4	1894	2	US-08-935-450-7	Sequence 7, Appli
715	24	1.4	1278	4	US-09-008-697A-11	Sequence 11, Appli	788	24	1.4	1906	1	US-08-207-904-18	Sequence 18, Appli
716	24	1.4	1288	4	US-09-724-864-16	Sequence 16, Appli	789	24	1.4	1914	4	US-09-291-922-19	Sequence 19, Appli
717	24	1.4	1305	4	US-09-242-859A-3	Sequence 3, Appli	790	24	1.4	1915	4	US-09-147-915-1	Sequence 1, Appli
718	24	1.4	1305	4	US-09-242-859A-7	Sequence 7, Appli	791	24	1.4	1928	3	US-09-008-481A-9	Sequence 9, Appli
719	24	1.4	1333	4	US-09-372-422A-9	Sequence 9, Appli	792	24	1.4	1928	3	US-09-195-666A-15	Sequence 15, Appli
c 720	24	1.4	1334	3	US-08-884-324-8	Sequence 8, Appli	793	24	1.4	1928	4	US-09-309-592-9	Sequence 9, Appli
721	24	1.4	1338	4	US-09-336-536-1	Sequence 1, Appli	794	24	1.4	1928	4	US-09-635-705-15	Sequence 15, Appli
722	24	1.4	1348	4	US-09-152-060-14	Sequence 14, Appli	795	24	1.4	1928	4	US-09-634-858A-15	Sequence 15, Appli
723	24	1.4	1363	1	US-08-776-088-21	Sequence 21, Appli	c 796	24	1.4	1950	1	US-08-592-126-93	Sequence 93, Appli
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726	24	1.4	1386	3	US-09-252-329-1	Sequence 1, Appli	799	24	1.4	2015	4	US-08-029-170-25	Sequence 25, Appli
727	24	1.4	1391	1	US-08-261-662-1	Sequence 1, Appli	800	24	1.4	2030	3	US-08-706-216-3	Sequence 3, Appli
728	24	1.4	1391	5	PCT-US95-07752-1	Sequence 1, Appli	801	24	1.4	2114	4	US-09-130-491-7	Sequence 7, Appli
729	24	1.4	1396	1	US-08-123-161A-11	Sequence 11, Appli	802	24	1.4	2125	3	US-09-109-204-5	Sequence 5, Appli
730	24	1.4	1396	1	US-08-483-278-11	Sequence 11, Appli	803	24	1.4	2125	4	US-09-305-639-6	Sequence 6, Appli
731	24	1.4	1404	2	US-08-487-113D-119	Sequence 119, App	804	24	1.4	2127	1	US-08-832-883-54	Sequence 54, Appli
732	24	1.4	1404	2	US-08-720-420A-119	Sequence 119, App	805	24	1.4	2127	1	US-08-832-877-54	Sequence 54, Appli
733	24	1.4	1428	4	US-09-118-442-5	Sequence 5, Appli	806	24	1.4	2158	2	US-08-698-551-1	Sequence 1, Appli
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736	24	1.4	1512	2	US-08-909-965C-8	Sequence 8, Appli	809	24	1.4	2158	2	US-08-494-440B-1	Sequence 1, Appli
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c 740	24	1.4	1541	6	5183884-1	Patent No. 5183884	813	24	1.4	2158	4	US-09-385-258C-1	Sequence 1, Appli
c 741	24	1.4	1542	1	US-07-978-895-1	Sequence 1, Appli	814	24	1.4	2158	5	PCT-US95-12724-1	Sequence 1, Appli
c 742	24	1.4	1542	1	US-08-473-119-1	Sequence 1, Appli	815	24	1.4	2171	4	US-08-811-481-1	Sequence 1, Appli
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745	24	1.4	1609	4	US-09-342-647-9	Sequence 9, Appli	818	24	1.4	2254	4	US-09-138-277C-2	Sequence 2, Appli
746	24	1.4	1623	3	US-08-888-429A-17	Sequence 17, Appli	819	24	1.4	2256	2	US-08-318-826A-5	Sequence 5, Appli
c 747	24	1.4	1624	2	US-08-852-807-10	Sequence 10, Appli	820	24	1.4	2256	2	US-08-370-156-1	Sequence 1, Appli
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749	24	1.4	1643	3	US-08-888-429A-27	Sequence 27, Appli	822	24	1.4	2260	2	US-08-788-750-1	Sequence 1, Appli
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751	24	1.4	1693	2	US-08-720-420A-118	Sequence 118, App	824	24	1.4	2328	4	US-08-811-481-34	Sequence 34, Appli
752	24	1.4	1705	4	US-09-364-230-15	Sequence 15, Appli	c 825	24	1.4	2367	4	US-09-375-318-38	Sequence 38, Appli
753	24	1.4	1733	3	US-09-073-569-1	Sequence 1, Appli	826	24	1.4	2426	4	US-09-605-785-470	Sequence 470, App
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755	24	1.4	1781	1	US-08-314-615-2	Sequence 2, Appli	828	24	1.4	2426	4	US-09-352-616A-470	Sequence 470, App
756	24	1.4	1781	1	US-08-433-010-2	Sequence 2, Appli	c 829	24	1.4	2480	4	US-09-534-638-3	Sequence 3, Appli
757	24	1.4	1781	1	US-08-245-295-4	Sequence 4, Appli	830	24	1.4	2507	4	US-09-605-785-332	Sequence 332, App

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832	24	1.4	2507	4	US-09-352-616A-332	Sequence 332, App	Sequence 332, App	c 905	24	1.4	3437	3	US-08-704-711A-9	Sequence 9, Appl
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838	24	1.4	2559	4	US-09-183-714B-3	Sequence 3, Appl	Sequence 3, Appl	c 911	24	1.4	3487	4	US-08-832-883-67	Sequence 24, Appl
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840	24	1.4	2559	4	US-09-013-634-1	Sequence 1, Appl	Sequence 1, Appl	c 913	24	1.4	3507	1	US-08-832-883-67	Sequence 67, Appl
841	24	1.4	2581	2	US-08-680-395-4	Sequence 4, Appl	Sequence 4, Appl	c 914	24	1.4	3507	2	US-08-832-877-67	Sequence 67, Appl
842	24	1.4	2605	2	US-08-795-868-15	Sequence 15, Appl	Sequence 15, Appl	c 915	24	1.4	3507	2	US-09-439-884-11	Sequence 11, Appl
843	24	1.4	2614	4	US-09-303-069-15	Sequence 15, Appl	Sequence 15, Appl	c 916	24	1.4	3507	2	US-08-483-488-5	Sequence 5, Appl
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848	24	1.4	2735	2	US-08-494-440B-11	Sequence 11, Appl	Sequence 11, Appl	c 921	24	1.4	4169	4	US-09-643-597-175	Sequence 175, App
849	24	1.4	2735	2	US-08-533-901B-11	Sequence 11, Appl	Sequence 11, Appl	c 922	24	1.4	4181	4	US-09-245-281-38	Sequence 38, Appl
850	24	1.4	2735	2	US-08-839-032A-11	Sequence 11, Appl	Sequence 11, Appl	c 923	24	1.4	4302	4	US-09-207-359B-38	Sequence 38, Appl
851	24	1.4	2735	2	US-08-839-032A-11	Sequence 11, Appl	Sequence 11, Appl	c 924	24	1.4	4302	4	US-08-257-963B-9	Sequence 9, Appl
852	24	1.4	2735	2	US-08-839-032A-11	Sequence 11, Appl	Sequence 11, Appl	c 925	24	1.4	4302	4	US-08-367-841A-9	Sequence 9, Appl
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854	24	1.4	2735	5	US-08-795-868-17	Sequence 17, Appl	Sequence 17, Appl	c 927	24	1.4	4421	4	US-08-520-373D-6	Sequence 6, Appl
855	24	1.4	2738	4	US-09-303-069-17	Sequence 17, Appl	Sequence 17, Appl	c 928	24	1.4	4421	5	US-08-142-368A-5	Sequence 5, Appl
856	24	1.4	2738	4	US-09-134-250-17	Sequence 17, Appl	Sequence 17, Appl	c 929	24	1.4	4517	4	US-08-967-727-5	Sequence 5, Appl
857	24	1.4	2738	4	US-08-870-126-7	Sequence 7, Appl	Sequence 7, Appl	c 930	24	1.4	4517	4	US-08-037-230D-5	Sequence 5, Appl
858	24	1.4	2808	3	US-09-445-247-7	Sequence 7, Appl	Sequence 7, Appl	c 931	24	1.4	4576	1	US-08-452-259-1	Sequence 1, Appl
859	24	1.4	2808	3	US-08-655-836-4	Sequence 4, Appl	Sequence 4, Appl	c 932	24	1.4	4576	2	PCT-US96-07336-1	Sequence 1, Appl
860	24	1.4	2817	1	US-08-370-156-5	Sequence 5, Appl	Sequence 5, Appl	c 933	24	1.4	4698	1	US-09-197-636-1	Sequence 1, Appl
861	24	1.4	2817	1	US-09-020-753-4	Sequence 4, Appl	Sequence 4, Appl	c 934	24	1.4	4698	1	US-09-197-636-3	Sequence 3, Appl
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864	24	1.4	2877	4	US-09-235-103-1	Sequence 1, Appl	Sequence 1, Appl	c 937	24	1.4	4749	1	US-08-045-806-3	Sequence 3, Appl
865	24	1.4	2904	4	US-09-403-618A-7	Sequence 7, Appl	Sequence 7, Appl	c 938	24	1.4	4749	5	US-08-520-373D-5	Sequence 5, Appl
866	24	1.4	2989	6	5378464-1	Patent No. 5378464	Patent No. 5378464	c 939	24	1.4	4803	3	US-08-484-438-3	Sequence 3, Appl
867	24	1.4	3016	2	US-08-318-826A-7	Sequence 7, Appl	Sequence 7, Appl	c 940	24	1.4	4803	4	US-08-652-971-1	Sequence 1, Appl
868	24	1.4	3016	2	US-08-370-156-5	Sequence 5, Appl	Sequence 5, Appl	c 941	24	1.4	4803	3	US-08-769-399-1	Sequence 1, Appl
869	24	1.4	3016	3	US-08-814-095-5	Sequence 5, Appl	Sequence 5, Appl	c 942	24	1.4	5232	3	US-08-991-953A-1	Sequence 1, Appl
870	24	1.4	3024	6	5284931-1	Patent No. 5284931	Patent No. 5284931	c 943	24	1.4	5232	4	US-09-033-333-3	Sequence 3, Appl
871	24	1.4	3046	1	US-08-726-725-1	Sequence 1, Appl	Sequence 1, Appl	c 944	24	1.4	5232	4	US-08-891-581-1	Sequence 1, Appl
872	24	1.4	3096	2	US-08-318-826A-6	Sequence 6, Appl	Sequence 6, Appl	c 945	24	1.4	5261	1	US-09-033-333-2	Sequence 2, Appl
873	24	1.4	3096	2	US-08-370-156-3	Sequence 3, Appl	Sequence 3, Appl	c 946	24	1.4	5261	1	US-09-614-495-2	Sequence 2, Appl
874	24	1.4	3096	3	US-08-814-095-3	Sequence 3, Appl	Sequence 3, Appl	c 947	24	1.4	5262	4	US-08-380-916-1	Sequence 1, Appl
875	24	1.4	3124	4	US-09-734-030-1	Sequence 1, Appl	Sequence 1, Appl	c 948	24	1.4	5375	3	US-08-721-690-1	Sequence 1, Appl
876	24	1.4	3158	2	US-08-464-517-36	Sequence 36, Appl	Sequence 36, Appl	c 949	24	1.4	5375	3	US-08-891-581-1	Sequence 1, Appl
877	24	1.4	3158	3	US-08-463-772-36	Sequence 36, Appl	Sequence 36, Appl	c 950	24	1.4	5769	1	US-09-033-333-2	Sequence 2, Appl
878	24	1.4	3171	4	US-09-079-812E-1	Sequence 1, Appl	Sequence 1, Appl	c 951	24	1.4	5769	2	US-08-602-228-15	Sequence 15, Appl
879	24	1.4	3176	2	US-08-910-733-17	Sequence 17, Appl	Sequence 17, Appl	c 952	24	1.4	5769	2	US-09-185-258C-15	Sequence 15, Appl
880	24	1.4	3176	2	US-08-910-733-17	Sequence 17, Appl	Sequence 17, Appl	c 953	24	1.4	5769	3	US-09-605-785-536	Sequence 536, App
881	24	1.4	3176	2	US-08-910-884-17	Sequence 17, Appl	Sequence 17, Appl	c 954	24	1.4	5835	4	US-09-439-313-536	Sequence 536, App
882	24	1.4	3212	4	US-08-697-954-1	Sequence 1, Appl	Sequence 1, Appl	c 955	24	1.4	5835	4	US-08-187-785-3	Sequence 3, Appl
883	24	1.4	3223	2	US-08-620-694A-9	Sequence 9, Appl	Sequence 9, Appl	c 956	24	1.4	5835	4	US-08-480-784-20	Sequence 20, Appl
884	24	1.4	3223	3	US-09-022-255-9	Sequence 9, Appl	Sequence 9, Appl	c 957	24	1.4	5836	1	US-08-483-553-20	Sequence 20, Appl
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887	24	1.4	3223	3	US-09-022-253-9	Sequence 9, Appl	Sequence 9, Appl	c 960	24	1.4	5836	4	US-08-850-727-20	Sequence 20, Appl
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890	24	1.4	3223	4	US-09-022-257-9	Sequence 9, Appl	Sequence 9, Appl	c 963	24	1.4	5993	4		
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894	24	1.4	3287	4	US-08-811-481-15	Sequence 15, Appl	Sequence 15, Appl	c 967	24	1.4	6140	4		
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902	24	1.4	3350	5	PCT-US95-10245-1	Sequence 1, Appl	Sequence 1, Appl	c 975	24	1.4	6769	1		
903	24	1.4	3373	1	US-08-273-411-2	Sequence 2, Appl	Sequence 2, Appl	c 976	24	1.4	6769	4		

977 24 1.4 6769 5 PCT-US95-10203-20 Sequence 20, Appl
978 24 1.4 6769 5 PCT-US95-10203-20 Sequence 20, Appl
979 24 1.4 6769 5 PCT-US95-10203-20 Sequence 20, Appl
980 24 1.4 6792 4 US-09-374-454-20 Sequence 13, Appl
c 981 24 1.4 7505 4 US-09-078-294-13 Sequence 4, Appl
982 24 1.4 8083 4 US-09-383-630-4 Sequence 5, Appl
983 24 1.4 8083 4 US-09-383-630-5 Sequence 5, Appl
c 984 24 1.4 8174 1 US-07-914-281-5 Sequence 5, Appl
c 985 24 1.4 8174 1 US-08-393-246-5 Sequence 5, Appl
c 986 24 1.4 8174 1 US-08-525-058A-5 Sequence 5, Appl
c 987 24 1.4 8174 2 US-08-696-731-5 Sequence 5, Appl
c 988 24 1.4 8174 4 US-09-042-531-5 Sequence 5, Appl
c 989 24 1.4 8174 5 PCT-US91-00899-3 Sequence 3, Appl
c 990 24 1.4 8353 3 US-08-611-587-1 Sequence 1, Appl
c 991 24 1.4 8453 4 US-09-167-681-45 Sequence 45, Appl
c 992 24 1.4 8779 2 US-08-750-703-4 Sequence 4, Appl
c 993 24 1.4 9704 4 US-09-814-951A-3 Sequence 3, Appl
c 994 24 1.4 9775 4 US-08-977-171-1 Sequence 1, Appl
c 995 24 1.4 11531 1 US-08-068-945A-1 Sequence 1, Appl
c 996 24 1.4 11531 1 US-08-442-806-1 Sequence 1, Appl
c 997 24 1.4 11811 4 US-09-078-294-7 Sequence 7, Appl
c 998 24 1.4 12047 2 US-09-022-461-1 Sequence 1, Appl
c 999 24 1.4 12047 4 US-09-033-556-3 Sequence 3, Appl
1000 24 1.4 13104 4 US-08-256-799-4 Sequence 4, Appl

ALIGNMENTS

RESULT 1
5508199-1
; Patent No. 5508199
; APPLICANT: GONZALES, FRANK J.; HARDWICK, JAMES P.; GELBOIN,
; HARRY V.; MEYER, URS A.
; TITLE OF INVENTION: P450DB1 CLONES FOR IDENTIFYING HUMANS
; WITH GENETIC DEFECT IN DRUG METABOLISM
; NUMBER OF SEQUENCES: 11
; CURRENT APPLICATION DATA:
; FILING DATE: 13-MAY-1994
; PRIOR APPLICATION NUMBER: 242,158
; FILING DATE: 27-FEB-1992
; APPLICATION NUMBER: 292,815
; FILING DATE: 03-JAN-1989
; SEQ ID NO: 1:
; LENGTH: 180
5508199-1

Query Match 3.6%; Score 61; DB 6; Length 180;
Best Local Similarity 100.0%; Pred. No. 1.2e-16;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1620 ATGGGGCTAGAAGCACTGGTGGCCCTGGCGGTAGTGGCCATCTTCCTGCTCTGGTG 1679
Db 1 ATGGGGCTAGAAGCACTGGTGGCCCTGGCGGTAGTGGCCATCTTCCTGCTCTGGTG 60

QY 1680 G 1680
Db 61 G 61

RESULT 2
US-08-145-658D-13
; Sequence 13, Application US/08145658D
; Patent No. 5981174
; GENERAL INFORMATION:
; APPLICANT: Wolf, Charles R.
; APPLICANT: Miles, John S.
; APPLICANT: Spurr, Nigel K.
; APPLICANT: Gough, Alan C.
; TITLE OF INVENTION: GENETIC ASSAY
; NUMBER OF SEQUENCES: 25

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP
; STREET: 2101 L Street N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/145,658D
; FILING DATE: 04-NOV-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9001181.8
; FILING DATE: 18-JAN-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/732,223
; FILING DATE: 18-JUL-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Brady, Jr., James W.
; REGISTRATION NUMBER: 32,115
; REFERENCE/DOCKET NUMBER: E8280.017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-785-9700
; TELEFAX: 202-887-0689
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1566 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; US-08-145-658D-13

Query Match 3.6%; Score 61; DB 2; Length 1566;
Best Local Similarity 100.0%; Pred. No. 1e-16;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1620 ATGGGGCTAGAAGCACTGGTGGCCCTGGCGGTAGTGGCCATCTTCCTGCTCTGGTG 1679
Db 1 ATGGGGCTAGAAGCACTGGTGGCCCTGGCGGTAGTGGCCATCTTCCTGCTCTGGTG 60

QY 1680 G 1680
Db 61 G 61

RESULT 3
US-08-145-658D-22
; Sequence 22, Application US/08145658D
; Patent No. 5981174
; GENERAL INFORMATION:
; APPLICANT: Wolf, Charles R.
; APPLICANT: Miles, John S.
; APPLICANT: Spurr, Nigel K.
; APPLICANT: Gough, Alan C.
; TITLE OF INVENTION: GENETIC ASSAY
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP
; STREET: 2101 L Street N.W.
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20037


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/
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/145,658D
/ FILING DATE: 04-NOV-1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: GB 9001181.8
/ FILING DATE: 18-JAN-1990
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/732,223
/ FILING DATE: 18-JUL-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brady, Jr., James W.
/ REGISTRATION NUMBER: 32,115
/ REFERENCE/DOCKET NUMBER: E8280.017
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-785-9700
/ TELEFAX: 202-887-0689
/ INFORMATION FOR SEQ ID NO: 22:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1566 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA to mRNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Homo sapiens
/
/ US-08-145-658D-22
/
/ Query Match 3.6%; Score 61; DB 2; Length 1566;
/ Best Local Similarity 100.0%; Pred. No. 1e-16;
/ Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1620 ATGGGGCTAGAGCACTGGTGGCCCTGGCGGTGATAGTGCCCATCTTCTGCTCCTGGTG 1679
/ Db 1 ATGGGGCTAGAGCACTGGTGGCCCTGGCGGTGATAGTGCCCATCTTCTGCTCCTGGTG 60
/
/ QY 1680 G 1680
/ Db 61 G 61
/
/ RESULT 4
/ US-08-145-658D-20
/ Sequence 20, Application US/08145658D
/ Patent No. 5981174
/ GENERAL INFORMATION:
/ APPLICANT: Wolf, Charles R.
/ APPLICANT: Miles, John S.
/ APPLICANT: Spurr, Nigel K.
/ APPLICANT: Gough, Alan C.
/ TITLE OF INVENTION: GENETIC ASSAY
/ NUMBER OF SEQUENCES: 25
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP
/ STREET: 2101 L Street N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20037
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/145,658D
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/ FILING DATE: 04-NOV-1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: GB 9001181.8
/ FILING DATE: 18-JAN-1990
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/732,223
/ FILING DATE: 18-JUL-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Brady, Jr., James W.
/ REGISTRATION NUMBER: 32,115
/ REFERENCE/DOCKET NUMBER: E8280.017
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 202-785-9700
/ TELEFAX: 202-887-0689
/ INFORMATION FOR SEQ ID NO: 20:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 1568 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: cDNA to mRNA
/ HYPOTHETICAL: NO
/ ANTI-SENSE: NO
/ ORIGINAL SOURCE:
/ ORGANISM: Homo sapiens
/
/ US-08-145-658D-20
/
/ Query Match 3.6%; Score 61; DB 2; Length 1568;
/ Best Local Similarity 100.0%; Pred. No. 1e-16;
/ Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
/
/ QY 1620 ATGGGGCTAGAGCACTGGTGGCCCTGGCGGTGATAGTGCCCATCTTCTGCTCCTGGTG 1679
/ Db 1 ATGGGGCTAGAGCACTGGTGGCCCTGGCGGTGATAGTGCCCATCTTCTGCTCCTGGTG 60
/
/ QY 1680 G 1680
/ Db 61 G 61
/
/ RESULT 5
/ US-08-145-658D-21
/ Sequence 21, Application US/08145658D
/ Patent No. 5981174
/ GENERAL INFORMATION:
/ APPLICANT: Wolf, Charles R.
/ APPLICANT: Miles, John S.
/ APPLICANT: Spurr, Nigel K.
/ APPLICANT: Gough, Alan C.
/ TITLE OF INVENTION: GENETIC ASSAY
/ NUMBER OF SEQUENCES: 25
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY LLP
/ STREET: 2101 L Street N.W.
/ CITY: Washington
/ STATE: DC
/ COUNTRY: USA
/ ZIP: 20037
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: PatentIn Release #1.0, Version #1.30
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/145,658D
/ FILING DATE: 04-NOV-1993
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: GB 9001181.8
/ FILING DATE: 18-JAN-1990
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/732,223
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; OPERATING SYSTEM: MS DOS 5.0
; SOFTWARE: WordPerfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/085,199B
; FILING DATE:
; TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Larson, Marina T.
; REGISTRATION NUMBER: 32038
; REFERENCE/DOCKET NUMBER: UBC.P-0130S2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (970) 668-2050
; TELEFAX: (970) 668-2052
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3715
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: genomic DNA
; HYPOTHETICAL: no
; ANTI-SENSE: no
; ORIGINAL SOURCE:
; ORGANISM: human
; FEATURE:
; OTHER INFORMATION: exon 29 and partial cds of HPI1
;
US-09-083-199B-44
Query Match 2.4%; Score 41; DB 4; Length 3715;
Best Local Similarity 100.0%; Pred. No. 2.3e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGAGTTCAAGACTAGCCTGGCCACATGGTGAACCC 176
Db 3588 GTCAGAGTTCAAGACTAGCCTGGCCACATGGTGAACCC 3628

RESULT 9
US-09-754-250-3
; Sequence 3, Application US/09754250
; Patent No. 6376225
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHODIESTERASE
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: PHOSPHODIESTERASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001063
; CURRENT APPLICATION NUMBER: US/09/754,250
; CURRENT FILING DATE: 2001-01-05
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 111282
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(111282)
; OTHER INFORMATION: n = A,T,C or G
;
US-09-754-250-3
Query Match 2.4%; Score 41; DB 4; Length 111282;
Best Local Similarity 100.0%; Pred. No. 1.8e-08;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 227 TCCAGCTACTTAGGAGGCTGAGGCAGGAGGAATTGCTTGA 267
Db 3839 TCCAGCTACTTAGGAGGCTGAGGCAGGAGGAATTGCTTGA 3879

RESULT 10
US-07-869-933-31
; Sequence 31, Application US/07869933
; Patent No. 5770396
; GENERAL INFORMATION:
; APPLICANT: KINET, Jean-Pierre
; TITLE OF INVENTION: ISOLATION, CHARACTERIZATION, AND USE OF
; TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
; TITLE OF INVENTION: IMMUNOGLOBULIN
; NUMBER OF SEQUENCES: 34
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/869,933
; FILING DATE: 19920416
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 40399/154 NIHD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 11298 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; ORIGINAL SOURCE:
; ORGANISM: homo sapien
; STRAIN: FCRI beta
;
US-07-869-933-31
Query Match 2.3%; Score 38; DB 1; Length 11298;
Best Local Similarity 100.0%; Pred. No. 3.9e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 230 CAGCTACTTAGGAGGCTGAGGCAGGAGGAATTGCTTGA 267
Db 6813 CAGCTACTTAGGAGGCTGAGGCAGGAGGAATTGCTTGA 6850

RESULT 11
US-08-201-879A-2
; Sequence 2, Application US/08201879A
; Patent No. 5807988
; GENERAL INFORMATION:
; APPLICANT: KINET, Jean-Pierre
; APPLICANT: JOUVIN, Marie-Helene
; TITLE OF INVENTION: ISOLATION, CHARACTERIZATION, AND USE OF
; TITLE OF INVENTION: THE HUMAN B SUBUNIT OF THE HIGH AFFINITY RECEPTOR FOR
; TITLE OF INVENTION: IMMUNOGLOBULIN E
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
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;; SOFTWARE: Patentin Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA: US/08/201,879A
;; FILING DATE: 24-FEB-1994
;; CLASSIFICATION: 435
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/869,933
;; FILING DATE: 16-APR-1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US93/03419
;; FILING DATE: 16-APR-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: BENT, Stephen A.
;; REGISTRATION NUMBER: 29,768
;; REFERENCE/DOCKET NUMBER: 40399/234/NIHD
;; TELEPHONE: (202)672-5300
;; TELEFAX: (202)672-5399
;; TELEX: 904136
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 11298 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; ORIGINAL SOURCE:
;; ORGANISM: Homo sapiens
;; STRAIN: Fori beta
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: join(456..511, 1381..1510, 2026..2160, 4475..4531,
;; LOCATION: 5079..5237, 5640..5738, 7224..7319)
US-08-201-879A-2

Query Match 2.3%; Score 38; DB 1; Length 11298;
Best Local Similarity 100.0%; Pred. No. 3.9e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 230 CAGCTACTAGGAGGCTGAGCGAGGAGAAATGCTTGA 267
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Db 6813 CAGCTACTAGGAGGCTGAGCGAGGAGAAATGCTTGA 6850

RESULT 12
US-09-103-663-31
;; Sequence 31, Application US/09103663D
;; Patent No. 6171803
;; GENERAL INFORMATION:
;; APPLICANT: Kinet et al.
;; TITLE OF INVENTION: Isolation, characterization, and use of the human beta
;; TITLE OF INVENTION: subunit of the high affinity receptor for
;; TITLE OF INVENTION: immunoglobulin E.
;; FILE REFERENCE: 50490
;; CURRENT APPLICATION NUMBER: US/09/103,663D
;; CURRENT FILING DATE: 1998-06-23
;; EARLIER APPLICATION NUMBER: 07/869,933
;; EARLIER FILING DATE: 1992-04-16
;; NUMBER OF SEQ ID NOS: 35
;; SOFTWARE: Patentin Ver. 2.1
;; SEQ ID NO 31
;; LENGTH: 11298
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-103-663-31

Query Match 2.3%; Score 38; DB 4; Length 11298;
Best Local Similarity 100.0%; Pred. No. 3.9e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 230 CAGCTACTAGGAGGCTGAGCGAGGAGAAATGCTTGA 267
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Db 6813 CAGCTACTAGGAGGCTGAGCGAGGAGAAATGCTTGA 6850

RESULT 13
US-09-741-150-3/c
;; Sequence 3, Application US/09741150
;; Patent No. 6436689
;; GENERAL INFORMATION:
;; APPLICANT: GUEGLER, Karl et al
;; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
;; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
;; TITLE OF INVENTION: USES THEREOF
;; FILE REFERENCE: CL000968
;; CURRENT APPLICATION NUMBER: US/09/741,150
;; CURRENT FILING DATE: 2000-12-21
;; NUMBER OF SEQ ID NOS: 4
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 3
;; LENGTH: 112132
;; TYPE: DNA
;; ORGANISM: Human
;; FEATURE:
;; NAME/KEY: misc_feature
;; LOCATION: (1)..(112132)
;; OTHER INFORMATION: n = A,T,C or G
US-09-741-150-3

Query Match 2.3%; Score 38; DB 4; Length 112132;
Best Local Similarity 100.0%; Pred. No. 3.3e-07;
Matches 38; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 207 GTGTGGCACACACCTGTAATCCAGCTACTTAGGAGG 244
|||||
Db 80384 GTGTGGCACACACCTGTAATCCAGCTACTTAGGAGG 80347

RESULT 14
US-08-257-963B-10
;; Sequence 10, Application US/08257963B
;; Patent No. 5840686
;; GENERAL INFORMATION:
;; APPLICANT: Chader, Gerald J.; Becerra, S.
;; APPLICANT: Patricia; Schwartz, Joan P.;
;; APPLICANT: Taniwaki, Takayuki
;; TITLE OF INVENTION: PIGMENT EPITHELIUM
;; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION OF ITS NOVEL
;; TITLE OF INVENTION: BIOLOGICAL ACTIVITY AND SEQUENCES ENCODING
;; NUMBER OF SEQUENCES: 42
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Morgan & Finnegan
;; STREET: 345 Park Avenue
;; CITY: New York
;; STATE: New York
;; COUNTRY: USA
;; ZIP: 10154
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy Disk
;; COMPUTER: IBM PC Compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: WORDPERFECT 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/257,963B
;; FILING DATE:
;; CLASSIFICATION: 514
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/952,796
;; FILING DATE: 24-SEPT-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: DOROTHY R. AUTH
;; REGISTRATION NUMBER: 36434
;; REFERENCE/DOCKET NUMBER: 20264126US1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (212) 758-4800
;; TELEFAX: (212) 751-6849

```
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 7210 Base Pairs
;   TYPE: Nucleic Acid
;   STRANDEDNESS: Double
;   TOPOLOGY: Unknown
;   MOLECULE TYPE: Genomic DNA
;   ORIGINAL SOURCE:
;   ORGANISM: Human
;   IMMEDIATE SOURCE:
;   LIBRARY: DASH II
;   FEATURE:
;   NAME/KEY: JT106
;   LOCATION:
;   IDENTIFICATION METHOD:
;   OTHER INFORMATION: 7.2 kb No. 5840686 1 fragments
;   OTHER INFORMATION: Derived from human placental genomic DNA
US-08-257-963B-10

Query Match          2.2%; Score 37; DB 2; Length 7210;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 75 GCGGTGGCTCATGCTATATCCAGCAGCACTTTGGGAG 111
      |||||||||||||||||||||||||||||||||||
Db 3065 GCGGTGGCTCATGCTATATCCAGCAGCACTTTGGGAG 3101

RESULT 15
US-08-367-841A-10
; Sequence 10, Application US/08367841A
; Patent No. 6319687
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Rodriguez,
; APPLICANT: Ignacio R.; Mazuruk, Krzysztof;
; APPLICANT: Tombran-Tink, Joyce
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/367,841A
; FILING DATE: 30-DEC-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/257,963
; FILING DATE: 07-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/952,796
; FILING DATE: 24-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36434
; REFERENCE/DOCKET NUMBER: 20264126US2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 7210 Base Pairs
;   TYPE: Nucleic Acid
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; STRANDEDNESS: Double
; TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Human
; IMMEDIATE SOURCE:
; LIBRARY: DASH II
; FEATURE:
; NAME/KEY: JT6A
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: 7.0 kb No. 6319687 1-No. 6319687
; OTHER INFORMATION: fragment: Derived from human placental
; OTHER INFORMATION: genomic DNA; also referred to as JT106
US-08-367-841A-10

Query Match          2.2%; Score 37; DB 4; Length 7210;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 75 GCGGTGGCTCATGCTATATCCAGCAGCACTTTGGGAG 111
      |||||||||||||||||||||||||||||||||||
Db 3065 GCGGTGGCTCATGCTATATCCAGCAGCACTTTGGGAG 3101

RESULT 16
PCT-US95-07201-10
; Sequence 10, Application PC/TUS9507201
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Becerra, Sofia
; APPLICANT: Patricia; Schwartz, Joan P.;
; APPLICANT: Taniwaki, Takayuki
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/07201
; FILING DATE: 06-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/367,841
; FILING DATE: 30-DEC-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/257,963
; FILING DATE: 07-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/952,796
; FILING DATE: 24-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36434
; REFERENCE/DOCKET NUMBER: 20264126PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 7210 Base Pairs
;   TYPE: Nucleic Acid
;   STRANDEDNESS: Double
```

```
; TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: Human
; IMMEDIATE SOURCE:
; LIBRARY: DASH II
; FEATURE:
; NAME/KEY: JT6A
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: 7.0 kb Not 1-Not
; OTHER INFORMATION: fragment: Derived from human placental
; OTHER INFORMATION: genomic DNA; also referred to as JT106
PCT-US95-07201-10

      2.2%; Score 37; DB 5; Length 7210;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 75 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 111
      |
Db 3065 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 3101

RESULT 17
US-08-520-373D-4
; Sequence 4, Application US/08520373D
; Patent No. 6451763
; GENERAL INFORMATION:
; APPLICANT: Tombran-Tink, Joyce
; APPLICANT: Steele, Flintan R
; APPLICANT: Chader, Gerald J
; APPLICANT: Becerra, Sofia P
; APPLICANT: Johnson, Lincoln V
; APPLICANT: Rodriguez, Ignacio R
; TITLE OF INVENTION: RETINAL PIGMENTED EPITHELIUM DERIVED NEUROTROPIC FACTOR
; FILE REFERENCE: 2026-4203US1
; CURRENT APPLICATION NUMBER: US/08/520,373D
; PRIOR FILING DATE: 1995-08-29
; PRIOR FILING DATE: 08/377,710
; PRIOR FILING DATE: 1995-01-25
; PRIOR APPLICATION NUMBER: 08/279,979
; PRIOR FILING DATE: 1994-07-25
; PRIOR APPLICATION NUMBER: 07/894,215
; PRIOR FILING DATE: 1992-06-04
; PRIOR APPLICATION NUMBER: 07/952,796
; PRIOR FILING DATE: 1992-09-24
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 14581
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; OTHER INFORMATION: mRNA: 6683; EXON: 6683-6790; EXON 11584-11675;
; OTHER INFORMATION: EXON: 14539-14581; INTRON: 6791-11583; INTRON:
; OTHER INFORMATION: 11676-14538; CDS: 11584-11675; 14539-14580
US-08-520-373D-4

      2.2%; Score 37; DB 4; Length 14581;
Best Local Similarity 100.0%; Pred. No. 1e-06;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 75 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 111
      |
Db 3064 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 3100

RESULT 18
US-08-367-841A-43
; Sequence 43, Application US/08367841A
; Patent No. 6319687
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Becerra, Sofia
; APPLICANT: Patricia; Schwartz, Joan P.;
; APPLICANT: Taniwaki, Takayuki
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
```

```
; APPLICANT: Chader, Gerald J.; Rodriguez,
; APPLICANT: Ignacio R.; Mazuruk, Krzysztof;
; APPLICANT: Tombran-Tink, Joyce
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; TITLE OF INVENTION: ORGANIZATION AND SEQUENCE OF THE PEDF GENE
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan
; STREET: 345 Park Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10154
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy Disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/367,841A
; FILING DATE: 30-DEC-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/257,963
; FILING DATE: 07-JUN-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/952,796
; FILING DATE: 24-SEP-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: DOROTHY R. AUTH
; REGISTRATION NUMBER: 36434
; REFERENCE/DOCKET NUMBER: 20264126US2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 758-4800
; TELEFAX: (212) 751-6849
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 22481 Base Pairs
; TYPE: Nucleic Acid
; STRANDEDNESS: Double
; TOPOLOGY: Unknown
; MOLECULE TYPE: Genomic DNA
; FEATURE:
; NAME/KEY: Pl-147
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: full length genomic
; OTHER INFORMATION: sequence for PEDF plus flanking sequences.
US-08-367-841A-43

      2.2%; Score 37; DB 4; Length 22481;
Best Local Similarity 100.0%; Pred. No. 9.8e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 75 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 111
      |
Db 3057 GCGGTGGCTCATGCTATATCCAGCAGCATTGGGAG 3093

RESULT 19
PCT-US95-07201-43
; Sequence 43, Application PC/TUS9507201
; GENERAL INFORMATION:
; APPLICANT: Chader, Gerald J.; Becerra, Sofia
; APPLICANT: Patricia; Schwartz, Joan P.;
; APPLICANT: Taniwaki, Takayuki
; TITLE OF INVENTION: PIGMENT EPITHELIUM
; TITLE OF INVENTION: DERIVED FACTOR: CHARACTERIZATION GENOMIC
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Morgan & Finnegan, L.L.P.
```

STREET: 345 Park Avenue
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10154
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/07201
FILING DATE: 06-JUN-1995
CLASSIFICATION:
PRIOR APPLICATION DATA: 08/367,841
FILING DATE: 30-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/257,963
FILING DATE: 07-JUN-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/952,796
FILING DATE: 24-SEP-1992
ATTORNEY/AGENT INFORMATION:
NAME: DOROTHY R. AUTH
REGISTRATION NUMBER: 36434
REFERENCE/DOCKET NUMBER: 20264126PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 758-4800
TELEFAX: (212) 751-6849
INFORMATION FOR SEQ ID NO: 43:
SEQUENCE CHARACTERISTICS:
LENGTH: 22481 Base Pairs
TYPE: Nucleic Acid
STRANDEDNESS: Double
TOPOLOGY: Unknown
MOLECULE TYPE: Genomic DNA
FEATURE:
NAME/KEY: PI-147
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: full length genomic
OTHER INFORMATION: sequence for PEDF plus flanking sequences.
PCT-US95-07201-43

Query Match 2.2%; Score 37; DB 5; Length 22481;
Best Local Similarity 100.0%; Pred. No. 9.8e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 75 GCGGTGGCTCATGCTATATCCAGCACCTTTGGGAG 111
Db 3057 GCGGTGGCTCATGCTATATCCAGCACCTTTGGGAG 3093

RESULT 20
US-09-875-223-2
Sequence 2, Application US/09875223
Patent No. 6391850
GENERAL INFORMATION:
APPLICANT: No. 6391850thwestern University
APPLICANT: No. 63918501 Bouck
APPLICANT: David Dawson
APPLICANT: Paul Gillis
TITLE OF INVENTION: Methods and Compositions for Inhibiting Angiogenesis
FILE REFERENCE: 0290-2303
CURRENT APPLICATION NUMBER: US/09/875,223
CURRENT FILING DATE: 2001-06-06
PRIOR APPLICATION NUMBER: US 09/122,079
PRIOR FILING DATE: 1998-07-23
PRIOR APPLICATION NUMBER: PCT/US98/15228
PRIOR FILING DATE: 1998-07-23
PRIOR APPLICATION NUMBER: US 08/899,304
PRIOR FILING DATE: 1997-07-23

NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 22484
TYPE: DNA
ORGANISM: Homo sapiens
NAME/KEY: Unsure
LOCATION: 1...22484
OTHER INFORMATION: "n" means either a, c, t, or g
US-09-875-223-2

Query Match 2.2%; Score 37; DB 4; Length 22484;
Best Local Similarity 100.0%; Pred. No. 9.8e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 75 GCGGTGGCTCATGCTATATCCAGCACCTTTGGGAG 111
Db 3057 GCGGTGGCTCATGCTATATCCAGCACCTTTGGGAG 3093

RESULT 21
US-09-078-294-4/c
Sequence 4, Application US/09078294
Patent No. 6265211
GENERAL INFORMATION:
APPLICANT: Choo, Kong-Hong Andy
APPLICANT: Du Sart, Desiree
APPLICANT: Cancilla, Michael R.
TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE
FILE REFERENCE: Davies Col
CURRENT APPLICATION NUMBER: US/09/078,294
CURRENT FILING DATE: 1998-05-13
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 4
LENGTH: 80246
TYPE: DNA
ORGANISM: Nucleotide sequence of NC-contig
US-09-078-294-4

Query Match 2.2%; Score 37; DB 4; Length 80246;
Best Local Similarity 100.0%; Pred. No. 8.9e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 113 CTGAGGTGGTGGTATCACCCTGAAGTCAGGAGTTCAAG 149
Db 20206 CTGAGGTGGTGGTATCACCCTGAAGTCAGGAGTTCAAG 20170

RESULT 22
US-09-078-294-3/c
Sequence 3, Application US/09078294
Patent No. 6265211
GENERAL INFORMATION:
APPLICANT: Choo, Kong-Hong Andy
APPLICANT: Du Sart, Desiree
APPLICANT: Cancilla, Michael R.
TITLE OF INVENTION: A NOVEL NUCLEIC ACID MOLECULE
FILE REFERENCE: Davies Col
CURRENT APPLICATION NUMBER: US/09/078,294
CURRENT FILING DATE: 1998-05-13
NUMBER OF SEQ ID NOS: 29
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 3
LENGTH: 80595
TYPE: DNA
ORGANISM: Nucleotide sequence of HC-contig
US-09-078-294-3

Query Match 2.2%; Score 37; DB 4; Length 80595;
Best Local Similarity 100.0%; Pred. No. 8.9e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;


```
; OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97099..97145
; OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97130..97177
; OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97130..97177
; OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99075..99121
; OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99075..99121
; OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99094..99140
; OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99094..99140
; OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID58
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID59
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
; FEATURE:
```

Query Match 2.2%; Score 37; DB 4; Length 162450;
Best Local Similarity 100.0%; Pred. No. 8.4e-07;
Matches 37; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 75 GCGGTGGCTCATGCCCTATATCCACGACTTTGGGAG 111
|||||
Db 51622 GCGGTGGCTCATGCCCTATATCCACGACTTTGGGAG 51586
```

RESULT 24

```
US-09-128-155-16
; Sequence 16, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; CURRENT FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16
; LENGTH: 152331
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(152331)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-16
```

Query Match 2.1%; Score 36; DB 3; Length 152331;
Best Local Similarity 100.0%; Pred. No. 2.2e-06;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```
QY 116 AGTGGTGGATCACCTGAAGTCAGGAGTTCAAGAC 151
|||||
Db 151040 AGTGGTGGATCACCTGAAGTCAGGAGTTCAAGAC 151075
```

RESULT 25

```
US-09-426-290-1/c
; Sequence 1, Application US/09426290
; Patent No. 6410712
; GENERAL INFORMATION:
; APPLICANT: Berglind Ran Olafsdottir
; APPLICANT: Jeffrey Gulcher
; TITLE OF INVENTION: HUMAN NARCOLEPSY GENE
; FILE REFERENCE: 2345.2001-000
; CURRENT APPLICATION NUMBER: US/09/426,290
; CURRENT FILING DATE: 1999-10-25
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 168575
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (21181)...(21403)
; NAME/KEY: CDS
; LOCATION: (95252)...(95430)
; NAME/KEY: CDS
; LOCATION: (101753)...(101996)
; NAME/KEY: CDS
; LOCATION: (110324)...(110439)
; NAME/KEY: CDS
; LOCATION: (124058)...(124278)
; NAME/KEY: CDS
; LOCATION: (127009)...(127130)
; NAME/KEY: CDS
; LOCATION: (128910)...(129139)
US-09-426-290-1
```

Query Match 2.1%; Score 36; DB 4; Length 168575;
Best Local Similarity 100.0%; Pred. No. 2.2e-06;
Matches 36; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 76 CGGTGGCTCATGCTATTAATCCAGCAGCTTTGGAG 111
|||||
Db 65704 CGGTGGCTCATGCTATTAATCCAGCAGCTTTGGAG 65669

RESULT 26

US-09-305-384-5

; Sequence 5, Application US/09305384

; Patent No. 6242218

; GENERAL INFORMATION:

; APPLICANT: Treco, Douglas A.

; APPLICANT: Heartlein, Michael W.

; APPLICANT: Selden, Richard F.

; TITLE OF INVENTION: GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY

; FILE REFERENCE: 07236/017001

; CURRENT APPLICATION NUMBER: US/09/305,384

; CURRENT FILING DATE: 1999-05-05

; EARLIER APPLICATION NUMBER: US 60/084,649

; EARLIER FILING DATE: 1998-05-07

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 5

; LENGTH: 6235

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-305-384-5

Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 6235;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 148 AGACTACCTGGCCAAACATGGTGAACCCCTATCTC 182

|||||

Db 159 AGACTACCTGGCCAAACATGGTGAACCCCTATCTC 193

RESULT 27

US-09-305-384-1

; Sequence 1, Application US/09305384

; Patent No. 6242218

; GENERAL INFORMATION:

; APPLICANT: Treco, Douglas A.

; APPLICANT: Heartlein, Michael W.

; APPLICANT: Selden, Richard F.

; TITLE OF INVENTION: GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY

; FILE REFERENCE: 07236/017001

; CURRENT APPLICATION NUMBER: US/09/305,384

; CURRENT FILING DATE: 1999-05-05

; EARLIER APPLICATION NUMBER: US 60/084,649

; EARLIER FILING DATE: 1998-05-07

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 1

; LENGTH: 6679

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-305-384-1

Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 6679;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 148 AGACTACCTGGCCAAACATGGTGAACCCCTATCTC 182

|||||

Db 178 AGACTACCTGGCCAAACATGGTGAACCCCTATCTC 212

RESULT 28

US-09-738-884-3

; Sequence 3, Application US/09738884

; Patent No. 6391606

; GENERAL INFORMATION:

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; APPLICANT: GUEGLER, Karl et al

; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHOLIPASE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PHOSPHOLIPASE
; FILE REFERENCE: CLO00849
; CURRENT APPLICATION NUMBER: US/09/738,884
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 13953
; TYPE: DNA
; ORGANISM: Human
US-09-738-884-3

Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 13953;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 CCTGTAATCCAGCTACTTAGGAGGCTGAGGCAGG 254

|||||

Db 7286 CCTGTAATCCAGCTACTTAGGAGGCTGAGGCAGG 7320

RESULT 29

US-09-729-995-3

; Sequence 3, Application US/09729995

; Patent No. 6426206

; GENERAL INFORMATION:

; APPLICANT: WEI, Ming-Hui et al

; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

; FILE REFERENCE: CLO00904

; CURRENT APPLICATION NUMBER: US/09/729,995

; CURRENT FILING DATE: 2000-12-06

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 29629

; TYPE: DNA

; ORGANISM: Human

US-09-729-995-3

Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 29629;

Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 GGTGGCTCATGCTATTAATCCAGCAGCTTTGGGAG 111

|||||

Db 24605 GGTGGCTCATGCTATTAATCCAGCAGCTTTGGGAG 24639

RESULT 30

US-09-735-934A-3

; Sequence 3, Application US/09735934A

; Patent No. 6372468

; GENERAL INFORMATION:

; APPLICANT: LI, Jiayin et al

; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC

; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES

; FILE REFERENCE: CLO00851

; CURRENT APPLICATION NUMBER: US/09/735,934A

; CURRENT FILING DATE: 2000-12-14

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 3

; LENGTH: 43950

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-735-934A-3

Query Match

Best Local Similarity 2.1%; Score 35; DB 4; Length 43950;

Best Local Similarity 100.0%; Pred. No. 6.4e-06;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 GGTGGCTCATGCTATAATATCCAGCAGCTTTGGGAG 111
|||||

Db 8966 GGTGGCTCATGCTATAATATCCAGCAGCTTTGGGAG 9000

RESULT 31

US-09-750-580-1/c
; Sequence 1, Application US/09750580
; Patent No. 6455280
; GENERAL INFORMATION:
; APPLICANT: Yen, Frances
; APPLICANT: Denison, Blake
; APPLICANT: Bour, Barbara
; APPLICANT: Bihain, Bernard
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bouqueloret, Lydie
; APPLICANT: Ebbets-Reed, Dana
; APPLICANT: Salter-Cid, Luisa
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH
; FILE REFERENCE: 89.US2.CIP
; CURRENT APPLICATION NUMBER: US/09/750,580
; CURRENT FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 09/599,362
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: PCT/IB00/0101
; PRIOR FILING DATE: 2000-06-21
; PRIOR APPLICATION NUMBER: PCT/IB99/02058
; PRIOR FILING DATE: 1999-12-20
; PRIOR APPLICATION NUMBER: US 49/469/099
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: US 60/113,686
; PRIOR FILING DATE: 1998-12-22
; PRIOR APPLICATION NUMBER: US 60/141,032
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 81001
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 10946..12946
; OTHER INFORMATION: 5'regulatory region
; NAME/KEY: exon
; LOCATION: 12947..12958
; OTHER INFORMATION: exon 1
; NAME/KEY: exon
; LOCATION: 13470..13526
; OTHER INFORMATION: exon 2
; NAME/KEY: exon
; LOCATION: 13641..13752
; OTHER INFORMATION: exon 3
; NAME/KEY: exon
; LOCATION: 14271..15968
; OTHER INFORMATION: exon 4
; NAME/KEY: misc_feature
; LOCATION: 15969..17969
; OTHER INFORMATION: 3'regulatory region
; NAME/KEY: allele
; LOCATION: 1239
; OTHER INFORMATION: 20-828-311 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 12347
; OTHER INFORMATION: 17-42-319 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 15241
; OTHER INFORMATION: 17-41-250 : polymorphic base C or T
; NAME/KEY: allele
; LOCATION: 42218
; OTHER INFORMATION: 20-841-149 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 45442
; OTHER INFORMATION: 20-842-115 : polymorphic base A or G
; NAME/KEY: allele
; LOCATION: 77058
; OTHER INFORMATION: 20-853-415 : polymorphic base C or T
; NAME/KEY: primer_bind
; LOCATION: 929..949
; OTHER INFORMATION: 20-828.pu
; NAME/KEY: primer_bind
; LOCATION: 1357..1377
; OTHER INFORMATION: 20-828.rp complement
; NAME/KEY: primer_bind
; LOCATION: 12029..12050
; OTHER INFORMATION: 17-42.pu
; NAME/KEY: primer_bind
; LOCATION: 12581..12603
; OTHER INFORMATION: 17-42.rp complement
; NAME/KEY: primer_bind
; LOCATION: 14992..15012
; OTHER INFORMATION: 17-41.pu
; NAME/KEY: primer_bind
; LOCATION: 15460..15482
; OTHER INFORMATION: 17-41.rp complement
; NAME/KEY: primer_bind
; LOCATION: 42070..42090
; OTHER INFORMATION: 20-841.rp complement
; NAME/KEY: primer_bind
; LOCATION: 42572..42591
; OTHER INFORMATION: 20-842.pu
; NAME/KEY: primer_bind
; LOCATION: 45863..45883
; OTHER INFORMATION: 20-842.rp complement
; NAME/KEY: primer_bind
; LOCATION: 76644..76664
; OTHER INFORMATION: 20-853.pu
; NAME/KEY: primer_bind
; LOCATION: 77166..77185
; OTHER INFORMATION: 20-853.rp complement
; NAME/KEY: primer_bind
; LOCATION: 1220..1238
; OTHER INFORMATION: 20-828-311.mis
; NAME/KEY: primer_bind
; LOCATION: 1240..1258
; OTHER INFORMATION: 20-828-311.mis complement
; NAME/KEY: primer_bind
; LOCATION: 12328..12346
; OTHER INFORMATION: 17-42-319.mis
; NAME/KEY: primer_bind
; LOCATION: 12348..12366
; OTHER INFORMATION: 17-42-319.mis complement
; NAME/KEY: primer_bind
; LOCATION: 15222..15240
; OTHER INFORMATION: 17-41-250.mis
; NAME/KEY: primer_bind
; LOCATION: 15242..15260
; OTHER INFORMATION: 17-41-250.mis complement
; NAME/KEY: primer_bind
; LOCATION: 42199..42217
; OTHER INFORMATION: 20-841-149.mis
; NAME/KEY: primer_bind
; LOCATION: 42219..42237
; OTHER INFORMATION: 20-841-149.mis complement
; NAME/KEY: primer_bind
; LOCATION: 45423..45441
; OTHER INFORMATION: 20-842-115.mis
; NAME/KEY: primer_bind
; LOCATION: 45443..45461

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; OTHER INFORMATION: 20-842-115.mis complement
; NAME/KEY: primer_bind
; LOCATION: 77039..77057
; OTHER INFORMATION: 20-853-415.mis
; NAME/KEY: primer_bind
; LOCATION: 77059..77077
; OTHER INFORMATION: 20-853-415.mis complement
; NAME/KEY: misc_binding
; LOCATION: 1227..1251
; OTHER INFORMATION: 20-828-311.probe
; NAME/KEY: misc_binding
; LOCATION: 12335..12359
; OTHER INFORMATION: 17-42-319.probe
; NAME/KEY: misc_binding
; LOCATION: 15229..15253
; OTHER INFORMATION: 17-41-250.probe
; NAME/KEY: misc_binding
; LOCATION: 42206..42230
; OTHER INFORMATION: 20-841-149.probe
; NAME/KEY: misc_binding
; LOCATION: 45430..45454
; OTHER INFORMATION: 20-842-115.probe
; NAME/KEY: misc_binding
; LOCATION: 77046..77070
; OTHER INFORMATION: 20-853-415.probe
; US-09-750-580-1
;
Query Match          2.1%; Score 35; DB 4; Length 81001;
Best Local Similarity 100.0%; Pred. No. 6.1e-06;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 77 GTGGCTCATGCCTATATATCCAGCAGCACTTTGGGAG 111
Db 3067 GTGGCTCATGCCTATATATCCAGCAGCACTTTGGGAG 3033

RESULT 32
US-09-798-096-10/c
; Sequence 10, Application US/09798096
; Patent No. 6399378
; GENERAL INFORMATION:
; APPLICANT: Donna T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF RECQL2 EXPRESSION
; FILE REFERENCE: RFS-0207
; CURRENT APPLICATION NUMBER: US/09/798.096
; CURRENT FILING DATE: 2001-03-01
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 10
; LENGTH: 99500
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; US-09-798-096-10

Query Match          2.1%; Score 35; DB 4; Length 99500;
Best Local Similarity 100.0%; Pred. No. 6e-06;
Matches 35; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 77 GTGGCTCATGCCTATATATCCAGCAGCACTTTGGGAG 111
Db 69587 GTGGCTCATGCCTATATATCCAGCAGCACTTTGGGAG 69553

RESULT 33
US-09-305-384-6
; Sequence 6, Application US/09305384
; Patent No. 6242218
; GENERAL INFORMATION:
; APPLICANT: Treco, Douglas A.
; APPLICANT: Heartlein, Michael W.
; APPLICANT: Selden, Richard F
; TITLE OF INVENTION: GENOMIC SEQUENCES FOR PROTEIN PRODUCTION AND DELIVERY

; FILE REFERENCE: 07236/017001
; CURRENT APPLICATION NUMBER: US/09/305.384
; CURRENT FILING DATE: 1999-05-05
; EARLIER APPLICATION NUMBER: US 60/084.649
; EARLIER FILING DATE: 1998-05-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 2834
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-305-384-6

Query Match          2.0%; Score 34; DB 4; Length 2834;
Best Local Similarity 100.0%; Pred. No. 2.1e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 78 GTGGCTCATGCCTATATATCCAGCAGCACTTTGGGAG 111
Db 2692 GTGGCTCATGCCTATATATCCAGCAGCACTTTGGGAG 2725

RESULT 34
US-09-632-098-1
; Sequence 1, Application US/09632098
; Patent No. 6420154
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Baindur, Nand
; APPLICANT: Bishop, Paul D.
; TITLE OF INVENTION: MAMMALIAN ADHESION PROTEASE PEPTIDES
; FILE REFERENCE: 99-39
; CURRENT APPLICATION NUMBER: US/09/632.098
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1
; LENGTH: 3431
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (37)...(2442)
; US-09-632-098-1

Query Match          2.0%; Score 34; DB 4; Length 3431;
Best Local Similarity 100.0%; Pred. No. 2e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 77 GTGGCTCATGCCTATATATCCAGCAGCACTTTGGGA 110
Db 3134 GTGGCTCATGCCTATATATCCAGCAGCACTTTGGGA 3167

RESULT 35
US-09-632-098-3
; Sequence 3, Application US/09632098
; Patent No. 6420154
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Baindur, Nand
; APPLICANT: Bishop, Paul D.
; TITLE OF INVENTION: MAMMALIAN ADHESION PROTEASE PEPTIDES
; FILE REFERENCE: 99-39
; CURRENT APPLICATION NUMBER: US/09/632.098
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 3468
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
```

NAME/KEY: CDS
LOCATION: (37)...(2472)
US-09-632-098-3

Query Match 2.0%; Score 34; DB 4; Length 3468;
Best Local Similarity 100.0%; Pred. No. 2e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 77 GTGGCTCATGCTATATCCAGCAGCTTTGGGA 110
Db 3171 GTGGCTCATGCTATATCCAGCAGCTTTGGGA 3204

RESULT 36
US-08-884-324-9
Sequence 9, Application US/08884324
Patent No. 6060283
GENERAL INFORMATION:
APPLICANT: Takanori OKURA
APPLICANT: Kakuji TORIGOE
APPLICANT: Masahiko KURIMOTO
TITLE OF INVENTION: GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
OF INDUCING THE PRODUCTION OF INTERFERON-
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/884,324
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 185,305/96
FILING DATE: 27-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: OKURA-1
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 4773 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORGANISM: human
TISSUE TYPE: placenta
FEATURE:
NAME/KEY: Intron
LOCATION: 1..4773
IDENTIFICATION METHOD: E

Query Match 2.0%; Score 34; DB 3; Length 4773;
Best Local Similarity 100.0%; Pred. No. 2e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 GTGGCTCATGCTATATCCAGCAGCTTTGGGAG 111
Db 1979 GTGGCTCATGCTATATCCAGCAGCTTTGGGAG 2012

RESULT 37
US-09-242-948-3/c
Sequence 3, Application US/09242948
Patent No. 6252057
GENERAL INFORMATION:
APPLICANT: Brady, Matthew J
Printen, John A
Saltiel, Alan R
Warner-Lambert Company,
(Outside USA)
TITLE OF INVENTION: Protein Targeting to Glycogen
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Warner-Lambert Company
STREET: 201 Tabor Road
CITY: Morris Plains
STATE: NJ
COUNTRY: US
ZIP: 07950
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/242,948
FILING DATE: 25-Feb-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/025,107
FILING DATE: 30-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ashbrook, Charles W
REFERENCE/DOCKET NUMBER: 5485-01-CA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 313 996-5215
TELEFAX: 313 996-1553
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5789 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 4238..5176
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-242-948-3

Query Match 2.0%; Score 34; DB 4; Length 5789;
Best Local Similarity 100.0%; Pred. No. 2e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 153 AGCGTGGCCACATGGTGAACCCCTATCTACT 186
Db 401 AGCGTGGCCACATGGTGAACCCCTATCTACT 368

RESULT 38
US-08-884-324-13
Sequence 13, Application US/08884324
Patent No. 6060283
GENERAL INFORMATION:
APPLICANT: Takanori OKURA
APPLICANT: Kakuji TORIGOE
APPLICANT: Masahiko KURIMOTO
TITLE OF INVENTION: GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
OF INDUCING THE PRODUCTION OF INTERFERON-
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/884,324
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 185,305/96
FILING DATE: 27-JUN-1996
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: OKURA-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 11464 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
ORIGINAL SOURCE:
ORGANISM: human
TISSUE TYPE: placenta
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..3
IDENTIFICATION METHOD: E
NAME/KEY: leader peptide
LOCATION: 4..82
IDENTIFICATION METHOD: S
NAME/KEY: intron
LOCATION: 83..1453
IDENTIFICATION METHOD: E
NAME/KEY: leader peptide
LOCATION: 1454..1465
IDENTIFICATION METHOD: S
NAME/KEY: intron
LOCATION: 1466..4848
IDENTIFICATION METHOD: E
NAME/KEY: leader peptide
LOCATION: 4849..4865
IDENTIFICATION METHOD: S
NAME/KEY: mat peptide
LOCATION: 4866..4983
IDENTIFICATION METHOD: S
NAME/KEY: intron
LOCATION: 4984..6317
IDENTIFICATION METHOD: E
NAME/KEY: mat peptide
LOCATION: 6318..6451
IDENTIFICATION METHOD: S
NAME/KEY: intron
LOCATION: 6452..11224
IDENTIFICATION METHOD: E
NAME/KEY: mat peptide
LOCATION: 11225..11443
IDENTIFICATION METHOD: S
NAME/KEY: 3'UTR
LOCATION: 11444..11464
IDENTIFICATION METHOD: E

US-08-884-324-13

Query Match 2.0%; Score 34; DB 3; Length 11464;
Best Local Similarity 100.0%; Pred. No. 1.9e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 78 GTGGCTCATGCCTATATAATCCAGCACACTTTGGGAG 111
|||||
Db 8430 GTGGCTCATGCCTATATAATCCAGCACACTTTGGGAG 8463
|||||
RESULT 39
US-09-087-465-3/c
; Sequence 3, Application US/09087465A
; Patent No. 6160092
; GENERAL INFORMATION:
; APPLICANT: Vinkemeier, Uwe
; APPLICANT: Chen, Xiaomin
; APPLICANT: Darnell Jr., James E
; APPLICANT: Kuriyan, John
; TITLE OF INVENTION: A CRYSTAL OF THE CORE PORTION OF A STAT AND METHODS OF
; TITLE OF INVENTION: USE
; FILE REFERENCE: 600-1-229
; CURRENT APPLICATION NUMBER: US/09/087,465A
; CURRENT FILING DATE: 1998-05-29
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 17949
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-087-465-3

Query Match 2.0%; Score 34; DB 4; Length 17949;
Best Local Similarity 100.0%; Pred. No. 1.8e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 78 GTGGCTCATGCCTATATAATCCAGCACACTTTGGGAG 111
|||||
Db 17855 GTGGCTCATGCCTATATAATCCAGCACACTTTGGGAG 17822
|||||

RESULT 40
US-08-884-324-14
; Sequence 14, Application US/08884324
; Patent No. 6060283
; GENERAL INFORMATION:
; APPLICANT: Takanori OKURA
; APPLICANT: Kakuji TORIGOE
; APPLICANT: Masahiko KURIMOTO
; TITLE OF INVENTION: GENOMIC DNA ENCODING A POLYPEPTIDE CAPABLE
; TITLE OF INVENTION: OF INDUCING THE PRODUCTION OF INTERFERON-
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/884,324
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 185,305/96
; FILING DATE: 27-JUN-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.

; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: OKURA-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28994 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: Genomic DNA
; ORIGINAL SOURCE:
; ORGANISM: human
; TISSUE TYPE: Placenta
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..15606
; IDENTIFICATION METHOD: E
; NAME/KEY: leader peptide
; LOCATION: 15607..15685
; IDENTIFICATION METHOD: S
; NAME/KEY: intron
; LOCATION: 15686..17056
; IDENTIFICATION METHOD: E
; NAME/KEY: leader peptide
; LOCATION: 17057..17068
; IDENTIFICATION METHOD: S
; NAME/KEY: intron
; LOCATION: 17069..20451
; IDENTIFICATION METHOD: E
; NAME/KEY: leader peptide
; LOCATION: 20452..20468
; IDENTIFICATION METHOD: S
; NAME/KEY: mat peptide
; LOCATION: 20469..20586
; IDENTIFICATION METHOD: S
; NAME/KEY: intron
; LOCATION: 20587..21920
; IDENTIFICATION METHOD: E
; NAME/KEY: mat peptide
; LOCATION: 21921..22054
; IDENTIFICATION METHOD: S
; NAME/KEY: intron
; LOCATION: 22055..26827
; IDENTIFICATION METHOD: E
; NAME/KEY: mat peptide
; LOCATION: 26828..27046
; IDENTIFICATION METHOD: S
; NAME/KEY: 3'UTR
; LOCATION: 27047..28994
; IDENTIFICATION METHOD: E
; US-08-884-324-14

Query Match 2.0%; Score 34; DB 3; Length 28994;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 GTGGCTCATGCGCTATATATCCAGCACTTTGGGAG 111
|||||
Db 24033 GTGGCTCATGCGCTATATATCCAGCACTTTGGGAG 24066

RESULT 41
US-09-813-817-3
; Sequence 3, Application US/09813817
; Patent No. 6340583
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001178

; CURRENT APPLICATION NUMBER: US/09/813,817
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
; US-09-813-817-3

Query Match 2.0%; Score 34; DB 4; Length 59065;
Best Local Similarity 100.0%; Pred. No. 1.6e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 GTGGCTCATGCGCTATATATCCAGCACTTTGGGAG 111
|||||
Db 13652 GTGGCTCATGCGCTATATATCCAGCACTTTGGGAG 13685

RESULT 42

US-09-978-197-3
; Sequence 3, Application US/09978197
; Patent No. 6403353
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; FILE REFERENCE: CL001178DIV
; CURRENT APPLICATION NUMBER: US/09/978,197
; CURRENT FILING DATE: 2001-10-17
; PRIOR APPLICATION NUMBER: 09/813,817
; PRIOR FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 59065
; TYPE: DNA
; ORGANISM: Human
; US-09-978-197-3

Query Match 2.0%; Score 34; DB 4; Length 59065;
Best Local Similarity 100.0%; Pred. No. 1.6e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 78 GTGGCTCATGCGCTATATATCCAGCACTTTGGGAG 111
|||||
Db 13652 GTGGCTCATGCGCTATATATCCAGCACTTTGGGAG 13685

RESULT 43

US-09-345-882-1
; Sequence 1, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-
; FILE REFERENCE: GENSET.031A
; CURRENT APPLICATION NUMBER: US/09/345,882
; CURRENT FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: US 60/091,315
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/111,909
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 162450
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: allele

LOCATION: 72794
OTHER INFORMATION: 5-124-273 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 88073
OTHER INFORMATION: 5-127-261 : polymorphic base A or C
FEATURE:
NAME/KEY: allele
LOCATION: 90842
OTHER INFORMATION: 99-1437-325 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 93714
OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT
FEATURE:
NAME/KEY: allele
LOCATION: 97122
OTHER INFORMATION: 99-1442-224 : polymorphic base G or T
FEATURE:
NAME/KEY: allele
LOCATION: 97152
OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T
FEATURE:
NAME/KEY: allele
LOCATION: 99098
OTHER INFORMATION: 5-130-257 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 99117
OTHER INFORMATION: 5-130-276 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 103806
OTHER INFORMATION: 5-131-395 : polymorphic base A or T
FEATURE:
NAME/KEY: allele
LOCATION: 106940
OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A
FEATURE:
NAME/KEY: allele
LOCATION: 108106
OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A
FEATURE:
NAME/KEY: allele
LOCATION: 108149
OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTTT
FEATURE:
NAME/KEY: allele
LOCATION: 108308
OTHER INFORMATION: 5-135-357 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 108471
OTHER INFORMATION: 5-136-174 : polymorphic base C or T
FEATURE:
NAME/KEY: allele
LOCATION: 134134
OTHER INFORMATION: 5-140-120 : polymorphic base C or T
FEATURE:
NAME/KEY: allele
LOCATION: 134362
OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A
FEATURE:
NAME/KEY: allele
LOCATION: 134374
OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA
FEATURE:
NAME/KEY: allele
LOCATION: 146328
OTHER INFORMATION: 5-143-84 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 146345

OTHER INFORMATION: 5-143-101 : polymorphic base A or C
FEATURE:
NAME/KEY: allele
LOCATION: 150329
OTHER INFORMATION: 5-145-24 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 160031
OTHER INFORMATION: 5-148-352 : polymorphic base G or T
FEATURE:
NAME/KEY: allele
LOCATION: 72771..72817
OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30
FEATURE:
NAME/KEY: allele
LOCATION: 72771..72817
OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51
FEATURE:
NAME/KEY: allele
LOCATION: 88050..88096
OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31
FEATURE:
NAME/KEY: allele
LOCATION: 88050..88096
OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70
FEATURE:
NAME/KEY: allele
LOCATION: 93690..93736
OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32
FEATURE:
NAME/KEY: allele
LOCATION: 93690..93736
OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53
FEATURE:
NAME/KEY: allele
LOCATION: 97099..97145
OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
FEATURE:
NAME/KEY: allele
LOCATION: 97099..97145
OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71
FEATURE:
NAME/KEY: allele
LOCATION: 97130..97177
OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
FEATURE:
NAME/KEY: allele
LOCATION: 97130..97177
OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54
FEATURE:
NAME/KEY: allele
LOCATION: 99075..99121
OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
FEATURE:
NAME/KEY: allele
LOCATION: 99075..99121
OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55
FEATURE:
NAME/KEY: allele
LOCATION: 99094..99140
OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
FEATURE:
NAME/KEY: allele
LOCATION: 99094..99140
OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56


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; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103783..103828
; OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106918..106966
; OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID58
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108084..108130
; OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID59
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108127..108177
; OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
; FEATURE:

Query Match          2.0%; Score 34; DB 4; Length 162450;
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 204 GAGGTGGTGGCACACCTGTATCCAGCTACT 237
Db 125653 GAGGTGGTGGCACACCTGTATCCAGCTACT 125686

RESULT 44
US-08-991-789A-15/c
; Sequence 15, Application US/08991789A
; Patent No. 6225054
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; Smith, John M.
; Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF BREAST CANCER
; NUMBER OF SEQUENCES: 292
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Seed IP Law Group
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/991,789A
; FILING DATE: 11-Dec-1997
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E. R.
; REGISTRATION NUMBER: 33,332
```

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; REFERENCE/DOCKET NUMBER: 210121.419C3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-08-991-789A-15

Query Match          1.9%; Score 32; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 0.00016;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 AGCATTGGGAGCCCTGAGTGGTGGATCAC 130
Db 483 AGCATTGGGAGCCCTGAGTGGTGGATCAC 452

RESULT 45
US-09-062-451-15/c
; Sequence 15, Application US/09062451
; Patent No. 6344550
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; Smith, John M.
; Reed, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF BREAST CANCER
; NUMBER OF SEQUENCES: 297
; CORRESPONDENCE ADDRESS:
; ADDRESSER: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/062,451
; FILING DATE: 04-APR-1997
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Maki, David J.
; REGISTRATION NUMBER: 31,392
; REFERENCE/DOCKET NUMBER: 210121.419C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-062-451-15

Query Match          1.9%; Score 32; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 0.00016;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 AGCATTGGGAGCCCTGAGTGGTGGATCAC 130
Db 483 AGCATTGGGAGCCCTGAGTGGTGGATCAC 452
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RESULT 46

US-09-598-326-15/c
; Sequence 15, Application US/09598326
; Patent No. 6423496
; GENERAL INFORMATION:
; APPLICANT: Frudakis, Tony N.
; Smith, John M.
; Read, Steven G.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE
; TREATMENT AND DIAGNOSIS OF BREAST CANCER
; NUMBER OF SEQUENCES: 247
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed Intellectual Property Law Group PLLC
; STREET: 701 Fifth Avenue, Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/598,326
; FILING DATE: 20-Jun-2000
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Potter, Jane E.K.
; REGISTRATION NUMBER: 33,332
; REFERENCE/DOCKET NUMBER: 210121.419D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 548 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 15:
US-09-598-326-15

Query Match 1.9%; Score 32; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 0.00016;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 99 AGCACTTGGGAGCCTGAGTGGTGGATCAC 130
Db 483 AGCACTTGGGAGCCTGAGTGGTGGATCAC 452

RESULT 47

US-09-039-555B-19/c
; Sequence 19, Application US/09039555B
; Patent No. 6033856
; GENERAL INFORMATION:
; APPLICANT: Koerner, Kathrin
; APPLICANT: Mueller, Rolf
; APPLICANT: Sadlaczek, Hans-Harald
; TITLE OF INVENTION: PROMOTER OF THE CDC25B GENE, ITS
; PREPARATION AND USE
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/039,555B
; FILING DATE: 16-MAR-1998
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: DE 19710643.9
; FILING DATE: 14-MAR-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Bent, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 016779/0131
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202)672-5300
; TELEFAX: (202)672-5399
; TELEX: 904136
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2000 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-039-555B-19

Query Match 1.9%; Score 32; DB 3; Length 2000;
Best Local Similarity 100.0%; Pred. No. 0.00015;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 207 GTGGTGGCACACACCTGTATCCAGCTACTT 238
Db 913 GTGGTGGCACACACCTGTATCCAGCTACTT 882

RESULT 48

US-09-851-896-3/c
; Sequence 3, Application US/09851896
; Patent No. 6410325
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF PHOSPHOLIPASE A2, GROUP VI (CA2+-INDEP
; FILE REFERENCE: RFS-0220
; CURRENT APPLICATION NUMBER: US/09/851,896
; CURRENT FILING DATE: 2001-05-08
; NUMBER OF SEQ ID NOS: 89
; SEQ ID NO 3
; LENGTH: 70000
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
US-09-851-896-3

Query Match 1.9%; Score 32; DB 4; Length 70000;
Best Local Similarity 100.0%; Pred. No. 0.00011;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 80 GGCTATGCTATATCCAGCAGCTTTGGGAG 111
Db 29902 GGCTATGCTATATCCAGCAGCTTTGGGAG 29871

RESULT 49

US-09-128-155-17
; Sequence 17, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; TITLE OF INVENTION: AND USES THEREOF

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; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; CURRENT FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 176373
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(176373)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17

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Best Local Similarity 100.0%; Pred. No. 0.0001;
Matches 32; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      80  GGCTCATGCTATAATCCAGCAGCTTTGGGAG 111
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RESULT 50
US-09-183-266A-12/c
; Sequence 12, Application US/091833266A
; Patent No. 6361954
; GENERAL INFORMATION:
; APPLICANT: Stillman, Bruce
; APPLICANT: Williams, R. Sanders
; APPLICANT: Mendez, Juan
; TITLE OF INVENTION: DNA REPLICATION-REGULATING GENES.
; FILE REFERENCE: CSHL96-01A3
; CURRENT APPLICATION NUMBER: US/09/183,266A
; CURRENT FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: PCT/US97/07333
; PRIOR FILING DATE: 1997-05-02
; PRIOR APPLICATION NUMBER: 08/648,650
; PRIOR FILING DATE: 1996-05-15
; PRIOR APPLICATION NUMBER: 08/643,034
; PRIOR FILING DATE: 1996-05-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 12
; LENGTH: 1210
; TYPE: DNA
; ORGANISM: H. sapiens
US-09-183-266A-12

Query Match          1.8%; Score 31; DB 4; Length 1210;
Best Local Similarity 100.0%; Pred. No. 0.0004;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      81  GCTCATGCTATAATCCAGCAGCTTTGGGAG 111
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Db      160  GCTCATGCTATAATCCAGCAGCTTTGGGAG 130

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Job time : 123 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 13:03:29 ; Search time 288 Seconds
(without alignments)
8447.021 Million cell updates/sec

Title: US-09-942-310-2

Perfect score: 1680

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Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 1029858 seqs, 724030393 residues

Word size : 15

by more

Total number of hits satisfying chosen parameters: 142070

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 1000 summaries

Database :

Published_Applications_NA:*

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- 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
- 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
- 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
- 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
- 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
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- 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	1338	79.6	9432	9	US-09-942-310-1
3	1338	79.6	9432	9	US-10-209-737-1
4	1338	79.6	9433	9	US-10-209-737-2
c 5	50	3.0	32194	9	US-09-764-891-7028
c 6	49	2.9	32177	9	US-09-764-891-6967
c 7	49	2.9	32177	10	US-09-764-877-3251
c 8	48	2.9	65464	9	US-09-859-888-3
c 9	47	2.8	456	9	US-09-918-995-29267
10	47	2.8	776	10	US-09-728-711-7
c 11	46	2.7	133893	9	US-10-161-510-1
c 12	44	2.6	119596	9	US-10-270-336-3
c 13	44	2.6	122186	9	US-09-563-728A-36
c 14	43	2.6	58837	10	US-09-982-091A-5
c 15	43	2.6	98829	9	US-10-017-724-3
c 16	42	2.5	397	10	US-09-867-701-8121
17	42	2.5	24977	9	US-09-764-891-5951
18	42	2.5	24977	9	US-09-764-891-8476
19	42	2.5	24983	9	US-09-764-891-5950
20	42	2.5	24983	9	US-09-918-995-8941

20	42	2.5	24983	9	US-09-764-891-8475	Sequence 8475, Ap
c 21	42	2.5	302250	10	US-09-962-832-154	Sequence 154, App
22	41	2.4	400	10	US-09-867-701-7324	Sequence 1324, Ap
23	41	2.4	478	10	US-09-918-995-13851	Sequence 13851, A
24	41	2.4	2694	10	US-09-880-107-3872	Sequence 3872, Ap
25	41	2.4	3088	10	US-09-954-456-45	Sequence 45, Appl
26	41	2.4	3088	10	US-09-954-456-1621	Sequence 1621, Ap
27	41	2.4	3088	10	US-09-969-347-234	Sequence 234, App
c 28	41	2.4	10680	9	US-09-764-891-8367	Sequence 8367, Ap
c 29	41	2.4	15500	9	US-10-074-095-1091	Sequence 1091, Ap
c 30	41	2.4	15500	10	US-09-764-860-1091	Sequence 1091, Ap
c 31	41	2.4	16552	9	US-10-072-349-321	Sequence 321, App
c 32	41	2.4	16552	9	US-10-072-349-322	Sequence 322, App
c 33	41	2.4	16552	10	US-09-764-855-321	Sequence 321, App
c 34	41	2.4	16552	10	US-09-764-855-322	Sequence 322, App
c 35	41	2.4	18878	10	US-09-764-877-3806	Sequence 3806, Ap
c 36	41	2.4	27062	9	US-09-764-891-8034	Sequence 8034, Ap
37	41	2.4	57130	10	US-09-835-081-3	Sequence 3, Appl1
38	41	2.4	58837	10	US-09-982-091A-5	Sequence 5, Appl1
c 39	41	2.4	58985	9	US-09-901-152-3	Sequence 3, Appl1
40	41	2.4	65464	9	US-09-859-888-3	Sequence 3, Appl1
c 41	41	2.4	76798	10	US-09-880-107-3949	Sequence 3949, Ap
42	41	2.4	111282	12	US-10-094-989-3	Sequence 3, Appl1
43	41	2.4	123526	9	US-09-910-185-11	Sequence 11, Appl1
c 44	41	2.4	126512	10	US-09-804-474A-3	Sequence 3, Appl1
c 45	41	2.4	145831	10	US-09-969-708-79	Sequence 79, Appl1
c 46	41	2.4	145831	10	US-09-954-456-2116	Sequence 2116, Ap
c 47	40	2.4	470	10	US-09-880-107-832	Sequence 832, App
c 48	40	2.4	1516	9	US-10-091-572-882	Sequence 882, App
c 49	40	2.4	1516	9	US-10-091-572-883	Sequence 883, App
c 50	40	2.4	1516	9	US-09-764-891-9335	Sequence 9335, Ap
c 51	40	2.4	1516	9	US-09-764-891-9336	Sequence 9336, Ap
c 52	40	2.4	2791	10	US-09-729-674-51	Sequence 51, Appl1
c 53	40	2.4	5815	10	US-10-092-154-1487	Sequence 1487, Ap
c 54	40	2.4	5815	10	US-09-764-847-1487	Sequence 1487, Ap
c 55	40	2.4	7373	10	US-09-764-853-896	Sequence 896, App
c 56	40	2.4	9968	10	US-09-764-877-2718	Sequence 2718, Ap
c 57	40	2.4	10322	9	US-09-764-868-1471	Sequence 1471, Ap
c 58	40	2.4	10678	9	US-09-764-891-7832	Sequence 7832, Ap
c 59	40	2.4	13069	10	US-10-091-504-1850	Sequence 1850, Ap
c 60	40	2.4	13069	10	US-09-764-869-1850	Sequence 1850, Ap
c 61	40	2.4	20645	9	US-09-764-891-8043	Sequence 8043, Ap
c 62	40	2.4	22756	9	US-10-091-572-473	Sequence 473, App
c 63	40	2.4	22756	9	US-09-764-891-6609	Sequence 6609, Ap
c 64	40	2.4	27377	10	US-09-816-248-18	Sequence 18, Appl1
c 65	40	2.4	28770	10	US-09-817-198A-3	Sequence 3, Appl1
c 66	40	2.4	32203	9	US-10-091-504-1849	Sequence 1849, Ap
c 67	40	2.4	32203	10	US-09-764-869-1849	Sequence 1849, Ap
c 68	40	2.4	51719	10	US-09-918-686-2	Sequence 2, Appl1
c 69	40	2.4	84539	10	US-09-962-436-36	Sequence 36, Appl1
c 70	40	2.4	92139	10	US-09-918-686-1	Sequence 1, Appl1
c 71	40	2.4	110096	10	US-09-563-728A-36	Sequence 36, Appl1
c 72	40	2.4	122186	9	US-09-880-107-1542	Sequence 1542, Ap
73	40	2.4	183337	9	US-10-020-141-5	Sequence 5, Appl1
74	39	2.3	349	10	US-09-764-877-2735	Sequence 2735, Ap
75	39	2.3	435	10	US-09-764-877-2736	Sequence 2736, Ap
c 76	39	2.3	1788	10	US-09-822-830A-569	Sequence 569, App
c 77	39	2.3	8082	9	US-10-074-095-1106	Sequence 1106, Ap
c 78	39	2.3	8082	10	US-09-764-860-1106	Sequence 1106, Ap
c 79	39	2.3	9371	9	US-09-764-891-10134	Sequence 10134, A
c 80	39	2.3	32190	9	US-10-091-504-2209	Sequence 2209, Ap
c 81	39	2.3	32190	10	US-09-764-869-2209	Sequence 2209, Ap
82	38	2.3	336	9	US-09-764-891-7790	Sequence 7790, Ap
83	38	2.3	336	9	US-09-764-891-7791	Sequence 7791, Ap
c 84	38	2.3	26048	9	US-10-091-504-1556	Sequence 1556, Ap
c 85	38	2.3	26048	10	US-09-764-869-1556	Sequence 1556, Ap
c 86	38	2.3	143068	10	US-09-967-768A-316	Sequence 316, App
c 87	38	2.3	167343	10	US-09-962-436-281	Sequence 281, App
c 88	38	2.3	167343	10	US-09-964-824A-273	Sequence 273, App
89	37	2.2	293	10	US-09-764-877-376	Sequence 376, App
90	37	2.2	429	9	US-09-764-891-6378	Sequence 6378, Ap
91	37	2.2	438	10	US-09-867-701-91	Sequence 5962, Ap
92	37	2.2	468	9	US-09-918-995-8941	Sequence 8941, Ap

c 93	37	2.2	643	9	US-10-092-154-1024	Sequence 1024, Ap	166	35	2.1	1780	10	US-09-764-860-773	Sequence 773, App
c 94	37	2.2	643	10	US-09-764-847-1024	Sequence 1024, Ap	167	35	2.1	1988	9	US-10-091-504-1788	Sequence 1788, Ap
c 95	37	2.2	1174	10	US-09-764-877-2611	Sequence 2611, Ap	168	35	2.1	1988	9	US-09-764-869-1788	Sequence 1788, Ap
c 96	37	2.2	5797	9	US-09-764-891-6093	Sequence 6093, Ap	169	35	2.1	3073	9	US-10-245-103-77	Sequence 77, Appl
c 97	37	2.2	8040	9	US-09-764-891-8231	Sequence 8231, Ap	170	35	2.1	3073	9	US-10-245-107-77	Sequence 77, Appl
c 98	37	2.2	8220	10	US-09-797-908-3	Sequence 3, Appl	171	35	2.1	3073	9	US-10-245-143-77	Sequence 77, Appl
c 99	37	2.2	1469	10	US-09-764-877-2791	Sequence 2791, Ap	172	35	2.1	3073	9	US-10-245-771-77	Sequence 77, Appl
c 100	37	2.2	14581	9	US-10-216-373-4	Sequence 4, Appl	173	35	2.1	3073	9	US-10-245-851-77	Sequence 77, Appl
c 101	37	2.2	16892	9	US-09-764-872-642	Sequence 642, Ap	174	35	2.1	3073	9	US-10-245-883-77	Sequence 77, Appl
c 102	37	2.2	24484	10	US-09-875-114-2	Sequence 2, Appl	175	35	2.1	3073	9	US-10-237-535-77	Sequence 77, Appl
c 103	37	2.2	2484	9	US-09-880-107-3341	Sequence 3341, Ap	176	35	2.1	3073	9	US-10-238-183-77	Sequence 77, Appl
c 104	37	2.2	26657	10	US-09-810-673A-3	Sequence 3, Appl	177	35	2.1	3073	9	US-10-238-283-77	Sequence 77, Appl
c 105	37	2.2	32189	9	US-09-764-891-7358	Sequence 7358, Ap	178	35	2.1	3073	9	US-10-238-370-77	Sequence 77, Appl
c 106	37	2.2	32221	9	US-09-764-872-663	Sequence 663, Ap	179	35	2.1	3073	9	US-10-245-055-77	Sequence 77, Appl
c 107	37	2.2	35465	9	US-10-161-572-6	Sequence 6, Appl	180	35	2.1	3073	9	US-10-245-147-77	Sequence 77, Appl
c 108	37	2.2	36991	9	US-10-161-572-8	Sequence 7, Appl	181	35	2.1	3073	9	US-10-245-177-77	Sequence 77, Appl
c 109	37	2.2	60153	9	US-10-223-334-7	Sequence 8, Appl	182	35	2.1	3073	9	US-10-245-730-77	Sequence 77, Appl
c 110	37	2.2	80246	9	US-09-728-552-4	Sequence 4, Appl	183	35	2.1	3073	9	US-10-245-739-77	Sequence 77, Appl
c 111	37	2.2	80595	9	US-09-728-552-3	Sequence 3, Appl	184	35	2.1	3073	9	US-10-246-210-77	Sequence 77, Appl
c 112	37	2.2	174424	10	US-09-967-768A-314	Sequence 314, Ap	185	35	2.1	3073	9	US-10-239-196-77	Sequence 77, Appl
c 113	37	2.2	1691139	9	US-10-067-514-1	Sequence 1, Appl	186	35	2.1	3073	9	US-10-243-024-77	Sequence 77, Appl
c 114	36	2.1	323	10	US-09-867-701-9244	Sequence 9244, Ap	187	35	2.1	3073	9	US-10-243-033-77	Sequence 77, Appl
c 115	36	2.1	358	9	US-09-803-719-1417	Sequence 1417, Ap	188	35	2.1	3073	9	US-10-245-621-77	Sequence 77, Appl
c 116	36	2.1	384	10	US-09-867-701-7719	Sequence 7719, Ap	189	35	2.1	3073	9	US-10-245-880-77	Sequence 77, Appl
c 117	36	2.1	470	9	US-09-918-995-33567	Sequence 33567, A	190	35	2.1	3073	9	US-10-243-095-77	Sequence 77, Appl
c 118	36	2.1	471	10	US-09-867-701-819	Sequence 819, App	191	35	2.1	3073	9	US-10-245-185-77	Sequence 77, Appl
c 119	36	2.1	1282	10	US-09-822-830A-319	Sequence 319, App	192	35	2.1	3073	9	US-10-245-427-77	Sequence 77, Appl
c 120	36	2.1	4457	10	US-09-764-877-3682	Sequence 3682, Ap	193	35	2.1	3073	9	US-10-245-473-77	Sequence 77, Appl
c 121	36	2.1	10198	9	US-09-764-891-8743	Sequence 8743, Ap	194	35	2.1	3073	9	US-10-245-770-77	Sequence 77, Appl
c 122	36	2.1	10198	9	US-09-764-891-8744	Sequence 8744, Ap	195	35	2.1	3073	9	US-10-238-325-77	Sequence 77, Appl
c 123	36	2.1	19616	10	US-09-764-877-3220	Sequence 3220, Ap	196	35	2.1	3073	9	US-10-246-976-77	Sequence 77, Appl
c 124	36	2.1	20522	10	US-09-764-877-3774	Sequence 3774, Ap	197	35	2.1	3073	9	US-10-243-320-77	Sequence 77, Appl
c 125	36	2.1	28635	9	US-09-764-891-9891	Sequence 9891, Ap	198	35	2.1	3073	9	US-10-242-743-77	Sequence 77, Appl
c 126	36	2.1	23071	10	US-09-764-864-1673	Sequence 1673, Ap	199	35	2.1	3073	9	US-10-242-845-77	Sequence 77, Appl
c 127	36	2.1	28818	10	US-09-764-877-2266	Sequence 2266, Ap	200	35	2.1	3073	9	US-10-237-636-77	Sequence 77, Appl
c 128	36	2.1	30013	10	US-09-764-877-3297	Sequence 3297, Ap	201	35	2.1	3073	9	US-10-238-325-77	Sequence 77, Appl
c 129	36	2.1	32216	9	US-09-764-891-9613	Sequence 9613, Ap	202	35	2.1	3073	9	US-10-238-346-77	Sequence 77, Appl
c 130	36	2.1	49744	10	US-09-927-091-4	Sequence 4, Appl	203	35	2.1	3073	9	US-10-238-411-77	Sequence 77, Appl
c 131	36	2.1	52354	10	US-09-742-311-3	Sequence 3, Appl	204	35	2.1	3073	9	US-10-243-124-77	Sequence 77, Appl
c 132	36	2.1	99014	9	US-09-880-107-3428	Sequence 3428, Ap	205	35	2.1	3073	9	US-10-243-425-77	Sequence 77, Appl
c 133	36	2.1	106323	9	US-10-300-827-3	Sequence 3, Appl	206	35	2.1	3073	9	US-10-243-446-77	Sequence 77, Appl
c 134	36	2.1	106323	9	US-09-803-661-3	Sequence 3, Appl	207	35	2.1	3073	9	US-10-245-874-77	Sequence 77, Appl
c 135	36	2.1	152331	9	US-10-095-407-16	Sequence 16, Appl	208	35	2.1	4743	9	US-09-764-891-7898	Sequence 7898, Ap
c 136	36	2.1	202001	9	US-10-274-990-3	Sequence 3, Appl	209	35	2.1	5281	9	US-09-764-891-6949	Sequence 6949, Ap
c 137	36	2.1	202001	10	US-09-734-674-3	Sequence 3, Appl	210	35	2.1	6040	10	US-10-074-095-1029	Sequence 1029, Ap
c 138	35	2.1	309	10	US-09-867-701-9236	Sequence 9236, Ap	211	35	2.1	6235	9	US-09-845-020A-5	Sequence 5, Appl
c 139	35	2.1	312	10	US-09-867-701-10749	Sequence 10749, A	212	35	2.1	6427	9	US-10-072-349-292	Sequence 292, App
c 140	35	2.1	321	10	US-09-867-701-10735	Sequence 10735, A	213	35	2.1	6470	9	US-09-764-855-292	Sequence 292, App
c 141	35	2.1	333	9	US-09-803-719-1635	Sequence 1635, Ap	214	35	2.1	6544	9	US-10-092-154-1544	Sequence 1544, Ap
c 142	35	2.1	339	10	US-09-867-701-9343	Sequence 9343, Ap	215	35	2.1	6679	9	US-09-845-020A-1	Sequence 1, Appl
c 143	35	2.1	374	9	US-09-803-719-1634	Sequence 1634, Ap	216	35	2.1	6892	10	US-09-764-877-3770	Sequence 3770, Ap
c 144	35	2.1	386	9	US-09-918-995-37757	Sequence 37757, A	217	35	2.1	7167	9	US-10-198-846-10407	Sequence 10407, A
c 145	35	2.1	386	10	US-09-969-347-293	Sequence 293, App	218	35	2.1	9440	9	US-09-764-891-5664	Sequence 5664, Ap
c 146	35	2.1	388	10	US-09-867-701-8177	Sequence 8177, Ap	219	35	2.1	13274	10	US-09-764-877-2428	Sequence 2428, Ap
c 147	35	2.1	397	10	US-09-920-300A-1579	Sequence 1579, Ap	220	35	2.1	13953	9	US-10-096-961-3	Sequence 3, Appl
c 148	35	2.1	397	12	US-10-033-528-1579	Sequence 1579, Ap	221	35	2.1	16106	10	US-09-764-877-2322	Sequence 2322, Ap
c 149	35	2.1	413	9	US-09-918-995-37043	Sequence 37043, A	222	35	2.1	1846	9	US-10-091-504-1682	Sequence 1682, Ap
c 150	35	2.1	451	10	US-09-867-701-10468	Sequence 10468, A	223	35	2.1	19846	10	US-09-764-869-1682	Sequence 1682, Ap
c 151	35	2.1	471	9	US-09-918-995-5983	Sequence 5983, Ap	224	35	2.1	19846	10	US-09-764-869-1683	Sequence 1683, Ap
c 152	35	2.1	471	10	US-09-867-701-6782	Sequence 6782, Ap	225	35	2.1	23934	9	US-10-074-095-777	Sequence 777, App
c 153	35	2.1	494	9	US-10-198-846-13050	Sequence 13050, A	226	35	2.1	23934	10	US-09-764-860-777	Sequence 777, App
c 154	35	2.1	503	9	US-10-198-846-13321	Sequence 13321, A	227	35	2.1	23934	10	US-09-764-877-2536	Sequence 2536, Ap
c 155	35	2.1	707	9	US-10-198-846-6529	Sequence 6529, Ap	228	35	2.1	24707	9	US-10-274-968-3	Sequence 2544, Ap
c 156	35	2.1	759	9	US-10-198-846-12349	Sequence 12349, A	229	35	2.1	24707	10	US-09-740-027-3	Sequence 3, Appl
c 157	35	2.1	845	9	US-10-198-846-4634	Sequence 4634, Ap	230	35	2.1	27118	9	US-09-764-891-10230	Sequence 10230, A
c 158	35	2.1	853	9	US-10-198-846-6104	Sequence 6104, Ap	231	35	2.1	29629	12	US-10-135-689-3	Sequence 3, Appl
c 159	35	2.1	874	9	US-10-198-846-5962	Sequence 5962, Ap	232	35	2.1				
c 160	35	2.1	903	10	US-09-764-877-2956	Sequence 2956, Ap	233	35	2.1				
c 161	35	2.1	929	9	US-10-198-846-4707	Sequence 4707, Ap	234	35	2.1				
c 162	35	2.1	1779	9	US-10-074-095-774	Sequence 774, App	235	35	2.1				
c 163	35	2.1	1779	10	US-09-764-860-774	Sequence 774, App	236	35	2.1				
c 164	35	2.1	1780	9	US-10-074-095-773	Sequence 773, App	237	35	2.1				
c 165	35	2.1					238	35	2.1				

C 239	2.1	31885	9	US-09-764-891-7211	Sequence 7211, Ap	312	34	2.0	3582	9	US-10-173-706-465	Sequence 465, App
240	2.1	31885	9	US-10-074-095-775	Sequence 775, App	313	34	2.0	3582	9	US-10-175-738-465	Sequence 465, App
241	2.1	31885	10	US-09-764-860-775	Sequence 775, App	314	34	2.0	3582	9	US-10-175-752-465	Sequence 465, App
C 242	2.1	31885	10	US-09-764-877-2530	Sequence 2530, Ap	315	34	2.0	3582	9	US-10-176-482-465	Sequence 465, App
243	2.1	31885	10	US-09-764-877-2541	Sequence 2541, Ap	316	34	2.0	3582	9	US-10-176-757-465	Sequence 465, App
C 244	2.1	32207	9	US-09-764-891-6966	Sequence 6966, Ap	317	34	2.0	3582	9	US-10-176-913-465	Sequence 465, App
C 245	2.1	32207	10	US-09-764-877-3250	Sequence 3250, Ap	318	34	2.0	3582	9	US-10-180-552-465	Sequence 465, App
246	2.1	43950	12	US-10-060-332-3	Sequence 3, Appli	319	34	2.0	3582	9	US-10-180-557-465	Sequence 465, App
247	2.1	48436	10	US-09-927-602-38	Sequence 38, Appli	320	34	2.0	3582	9	US-10-173-700-465	Sequence 465, App
248	2.1	50000	9	US-09-902-214-6	Sequence 6, Appli	321	34	2.0	3582	9	US-10-174-572-465	Sequence 465, App
249	2.1	63588	9	US-10-243-735-3	Sequence 3, Appli	322	34	2.0	3582	9	US-10-174-579-465	Sequence 465, App
C 250	2.1	63588	9	US-10-243-735-3	Sequence 3, Appli	323	34	2.0	3582	9	US-10-174-582-465	Sequence 465, App
C 251	2.1	65608	10	US-09-954-531-180	Sequence 180, App	324	34	2.0	3582	9	US-10-174-588-465	Sequence 465, App
C 252	2.1	65608	10	US-09-962-436-292	Sequence 292, App	325	34	2.0	3582	9	US-10-175-739-465	Sequence 465, App
C 253	2.1	65608	10	US-09-962-832-119	Sequence 119, App	326	34	2.0	3582	9	US-10-175-740-465	Sequence 465, App
C 254	2.1	81001	9	US-09-842-364-1	Sequence 1, Appli	327	34	2.0	3582	9	US-10-175-743-465	Sequence 465, App
C 255	2.1	81001	9	US-09-751-877-1	Sequence 1, Appli	328	34	2.0	3582	9	US-10-176-488-465	Sequence 465, App
256	2.1	90541	10	US-09-759-359A-3	Sequence 3, Appli	329	34	2.0	3582	9	US-10-176-492-465	Sequence 465, App
257	2.1	175561	9	US-10-017-721-3	Sequence 3, Appli	330	34	2.0	3582	9	US-10-176-747-465	Sequence 465, App
C 258	2.1	254366	9	US-09-822-871-3	Sequence 3, Appli	331	34	2.0	3582	9	US-10-176-750-465	Sequence 465, App
259	2.0	214	10	US-09-867-701-9610	Sequence 9610, Ap	332	34	2.0	3582	9	US-10-176-985-465	Sequence 465, App
C 260	2.0	260	9	US-09-736-457-1208	Sequence 1208, Ap	333	34	2.0	3582	9	US-10-176-987-465	Sequence 465, App
C 261	2.0	260	9	US-09-902-941-1208	Sequence 1208, Ap	334	34	2.0	3582	9	US-10-176-991-465	Sequence 465, App
C 262	2.0	260	9	US-09-849-626-1208	Sequence 1208, Ap	335	34	2.0	3582	9	US-10-176-992-465	Sequence 465, App
C 263	2.0	260	9	US-10-017-754-1208	Sequence 1208, Ap	336	34	2.0	3582	9	US-10-176-993-465	Sequence 465, App
264	2.0	293	9	US-10-091-504-498	Sequence 498, App	337	34	2.0	3582	9	US-10-184-658-465	Sequence 465, App
265	2.0	293	10	US-09-764-869-498	Sequence 498, App	338	34	2.0	3582	9	US-10-173-695-465	Sequence 465, App
C 266	2.0	356	10	US-09-867-701-3326	Sequence 3326, Ap	339	34	2.0	3582	9	US-10-173-697-465	Sequence 465, App
C 267	2.0	378	10	US-09-867-701-862	Sequence 862, App	340	34	2.0	3582	9	US-10-173-703-465	Sequence 465, App
C 268	2.0	390	9	US-09-918-995-18884	Sequence 18884, A	341	34	2.0	3582	9	US-10-174-576-465	Sequence 465, App
C 269	2.0	464	9	US-09-918-995-10610	Sequence 10610, A	342	34	2.0	3582	9	US-10-174-585-465	Sequence 465, App
270	2.0	467	9	US-09-918-995-5005	Sequence 5005, Ap	343	34	2.0	3582	9	US-10-174-586-465	Sequence 465, App
271	2.0	485	9	US-09-918-995-21746	Sequence 21746, A	344	34	2.0	3582	9	US-10-175-747-465	Sequence 465, App
C 272	2.0	490	10	US-09-783-590-1069	Sequence 1069, Ap	345	34	2.0	3582	9	US-10-176-481-465	Sequence 465, App
C 273	2.0	546	9	US-09-918-995-29488	Sequence 29488, A	346	34	2.0	3582	9	US-10-176-485-465	Sequence 465, App
C 274	2.0	725	9	US-10-198-846-6523	Sequence 6523, Ap	347	34	2.0	3582	9	US-10-176-487-465	Sequence 465, App
C 275	2.0	998	9	US-10-016-634A-29	Sequence 29, Appli	348	34	2.0	3582	9	US-10-176-493-465	Sequence 465, App
276	2.0	1022	9	US-10-091-504-2202	Sequence 2202, Ap	349	34	2.0	3582	9	US-10-176-756-465	Sequence 465, App
277	2.0	1022	9	US-10-091-504-2269	Sequence 2269, Ap	350	34	2.0	3582	9	US-10-176-911-465	Sequence 465, App
278	2.0	1022	10	US-09-764-869-2202	Sequence 2202, Ap	351	34	2.0	3582	9	US-10-176-919-465	Sequence 465, App
279	2.0	1022	10	US-09-764-869-2269	Sequence 2269, Ap	352	34	2.0	3582	9	US-10-176-925-465	Sequence 465, App
280	2.0	1042	9	US-10-092-154-1420	Sequence 1420, Ap	353	34	2.0	3582	9	US-10-176-978-465	Sequence 465, App
281	2.0	1042	10	US-09-764-847-1420	Sequence 1420, Ap	354	34	2.0	3582	9	US-10-179-510-465	Sequence 465, App
282	2.0	1094	9	US-10-023-282-42	Sequence 42, Appli	355	34	2.0	3582	9	US-10-180-543-465	Sequence 465, App
283	2.0	1268	10	US-09-764-877-3388	Sequence 3388, Ap	356	34	2.0	3582	9	US-10-180-544-465	Sequence 465, App
284	2.0	1268	10	US-09-764-877-3389	Sequence 3389, Ap	357	34	2.0	3582	9	US-10-180-546-465	Sequence 465, App
285	2.0	1275	9	US-10-023-282-129	Sequence 129, App	358	34	2.0	3582	9	US-10-180-547-465	Sequence 465, App
C 286	2.0	1529	9	US-10-074-095-897	Sequence 897, App	359	34	2.0	3582	9	US-10-180-549-465	Sequence 465, App
C 287	2.0	1529	9	US-10-074-095-898	Sequence 898, App	360	34	2.0	3582	9	US-10-180-555-465	Sequence 465, App
C 288	2.0	1529	9	US-10-074-095-899	Sequence 899, App	361	34	2.0	3582	9	US-10-180-559-465	Sequence 465, App
C 289	2.0	1529	9	US-10-074-095-900	Sequence 900, App	362	34	2.0	3582	9	US-10-181-000-465	Sequence 465, App
C 290	2.0	1529	10	US-09-764-860-897	Sequence 897, App	363	34	2.0	3582	9	US-10-183-010-465	Sequence 465, App
C 291	2.0	1529	10	US-09-764-860-898	Sequence 898, App	364	34	2.0	3582	9	US-10-183-012-465	Sequence 465, App
C 292	2.0	1529	10	US-09-764-860-899	Sequence 899, App	365	34	2.0	3582	9	US-10-184-614-465	Sequence 465, App
C 293	2.0	1529	10	US-09-764-860-900	Sequence 900, App	366	34	2.0	3582	9	US-10-184-623-465	Sequence 465, App
294	2.0	1534	9	US-10-097-065-34	Sequence 34, Appli	367	34	2.0	3582	9	US-10-184-635-465	Sequence 465, App
C 295	2.0	2272	9	US-09-764-891-5651	Sequence 5651, Ap	368	34	2.0	3582	9	US-10-184-637-465	Sequence 465, App
C 296	2.0	2271	10	US-09-764-877-2215	Sequence 2215, Ap	369	34	2.0	3582	9	US-10-184-646-465	Sequence 465, App
C 297	2.0	2371	10	US-09-764-877-2216	Sequence 2216, Ap	370	34	2.0	3582	9	US-10-184-647-465	Sequence 465, App
C 298	2.0	2371	10	US-09-764-877-2217	Sequence 2217, Ap	371	34	2.0	3582	9	US-10-184-652-465	Sequence 465, App
299	2.0	2761	9	US-09-764-891-9722	Sequence 9722, Ap	372	34	2.0	3582	9	US-10-187-594-465	Sequence 465, App
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302	2.0	3498	10	US-10-091-504-2271	Sequence 2271, Ap	375	34	2.0	3582	9	US-10-187-885-465	Sequence 465, App
303	2.0	3498	10	US-09-764-869-2204	Sequence 2204, Ap	376	34	2.0	3582	9	US-10-187-886-465	Sequence 465, App
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305	2.0	3499	9	US-10-091-504-2203	Sequence 2203, Ap	378	34	2.0	3582	9	US-10-176-751-465	Sequence 465, App
306	2.0	3499	9	US-10-091-504-2270	Sequence 2270, Ap	379	34	2.0	3582	9	US-10-176-760-465	Sequence 465, App
307	2.0	3499	10	US-09-764-869-2203	Sequence 2203, Ap	380	34	2.0	3582	9	US-10-176-990-465	Sequence 465, App
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678	34	2.0	3582	9	US-10-175-753-465	Sequence 465, App	c 751	34	2.0	27681	9	US-10-091-504-1998	Sequence 1998, App
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680	34	2.0	3582	9	US-10-201-327-465	Sequence 465, App	c 753	34	2.0	27681	10	US-09-764-869-1998	Sequence 1998, App
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687	34	2.0	3582	9	US-10-187-592-465	Sequence 465, App	c 760	34	2.0	31994	10	US-09-764-860-599	Sequence 599, App
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690	34	2.0	3582	9	US-10-174-575A-465	Sequence 465, App	c 763	34	2.0	32152	9	US-10-072-349-328	Sequence 328, App
691	34	2.0	3582	9	US-10-179-520-465	Sequence 465, App	c 764	34	2.0	32152	10	US-09-764-855-328	Sequence 328, App
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697	34	2.0	3582	9	US-10-179-511-465	Sequence 465, App	c 770	34	2.0	32204	9	US-09-764-891-10213	Sequence 10213, A
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c 725	34	2.0	8746	9	US-10-074-095-1022	Sequence 1022, App	c 798	34	2.0	454	9	Sequence 703, App	Sequence 703, App
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c 744	34	2.0	18648	9	US-09-954-456-1150	Sequence 1150, App	c 817	34	2.0	5660	9	Sequence 1399, App	Sequence 1399, App
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c 747	34	2.0	22452	9	US-09-764-868-1487	Sequence 1487, App	c 820	34	2.0	7233	9	Sequence 1399, App	Sequence 1399, App
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RESULT 2

US-09-942-310-1

; Sequence 1, Application US/09942310
; Publication NO. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olafsson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms
; FILE REFERENCE: GG119.1US
; CURRENT APPLICATION NUMBER: US/09/942,310
; PRIOR FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: homo sapiens

US-09-942-310-1

Query Match 79.6%; Score 1338; DB 9; Length 9432;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1638; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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RESULT 3

US-10-209-737-1
; Sequence 1, Application US/10209737
; Publication No. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: No. US20030083485A1el Variants Of The Human CYP2D6 Gene
; FILE REFERENCE: PC11033AGPR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
US-10-209-737-1

Query Match 79.6%; Score 1338; DB 9; Length 9432;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 1638; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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QY 997 CAAGAGATCTGTGCACCATCAGGT 1056
Db 997 CAAGAGATCTGTGCACCATCAGGT 1056
QY 1057 TGAAGTGAAGGGACAGGCCCATGATGCCACTCATCATCAGGAGCTCTAAGGCCCCCAGGT 1116
Db 1057 TGAAGTGAAGGGACAGGCCCATGATGCCACTCATCATCAGGAGCTCTAAGGCCCCCAGGT 1116
QY 1117 AAGTGGCAGTGCAGATAGGGTGTCTGAGGTGCTGAGGTGCTGAGGTGCTGAGGTGCTGAGGTGCTGAG 1176
Db 1117 AAGTGGCAGTGCAGATAGGGTGTCTGAGGTGCTGAGGTGCTGAGGTGCTGAGGTGCTGAGGTGCTGAG 1176
QY 1177 GAAAGGCAAGGCCATGTTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1236
Db 1177 GAAAGGCAAGGCCATGTTCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1236
QY 1237 GCTGGAGGTGGATGCGCGTCCACTGAAACCCCTGTTATCCAGAGGCTTTTCAGGC 1296
Db 1237 GCTGGAGGTGGATGCGCGGTCCTGAAACCCCTGTTATCCAGAGGCTTTTCAGGC 1296
QY 1297 TTCAGGAGCTTGGAGTGGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1356
Db 1297 TTCAGGAGCTTGGAGTGGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1356
QY 1357 ACCCTGGGTAAAGGGCTGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1416
Db 1357 ACCCTGGGTAAAGGGCTGGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1416
QY 1417 CGCCCTGGGCTGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1476
Db 1417 CGCCCTGGGCTGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1476


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Db 1537 GAGTGTCTCCTGGTCTCTGTGCTGGTGGGGTGGCCAGGTGCTCTCCAGAGCA 1596
QY 1597 GCCATTGGTAGTGGAGCAGGTATGGGGCTAGAGCACTGGTGCCCTGCCGTGATAG 1656
Db 1597 GCCATTGGTAGTGGAGCAGGTATGGGGCTAGAGCACTGGTGCCCTGCCGTGATAG 1656
QY 1657 TGGCCATCTTCTCCTCTGCTGGTGG 1680
Db 1657 TGGCCATCTTCTCCTCTGCTGGTGG 1680

RESULT 5
US-09-764-891-7028/C
; Sequence 7028, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7028
; LENGTH: 32194
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-7028

Query Match 3.0%; Score 50; DB 9; Length 32194;
Best Local Similarity 100.0%; Pred. No. 1e-14;
Matches 50; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 CACCTGTAAATCCCACTACTAGGAGCTGAGGCGAGGAGTAATGCTTGAA 267
Db 10677 CACCTGTAAATCCCACTACTAGGAGCTGAGGCGAGGAGTAATGCTTGAA 10628

RESULT 6
US-09-764-891-6967/C
; Sequence 6967, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6967
; LENGTH: 32177
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-6967

Query Match 2.9%; Score 49; DB 9; Length 32177;
Best Local Similarity 100.0%; Pred. No. 3.1e-14;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 138 CAGGAGTTCAGACTAGCCTGGCCACATGCTGGAACCCCTATCTCTACT 186
Db 3375 CAGGAGTTCAGACTAGCCTGGCCACATGCTGGAACCCCTATCTCTACT 3327

RESULT 7
US-09-764-877-3251/C
; Sequence 3251, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
```

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; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3251
; LENGTH: 32177
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-3251

Query Match 2.9%; Score 49; DB 10; Length 32177;
Best Local Similarity 100.0%; Pred. No. 3.1e-14;
Matches 49; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 138 CAGGAGTTCAGACTAGCCTGGCCACATGCTGGAACCCCTATCTCTACT 186
Db 3375 CAGGAGTTCAGACTAGCCTGGCCACATGCTGGAACCCCTATCTCTACT 3327

RESULT 8
US-09-859-888-3/C
; Sequence 3, Application US/09859888
; Patent No. US20020173459A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; FILE REFERENCE: C1001239
; CURRENT APPLICATION NUMBER: US/09/859,888
; CURRENT FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 65464
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(65464)
; OTHER INFORMATION: n = A,T,C or G
US-09-859-888-3

Query Match 2.9%; Score 48; DB 9; Length 65464;
Best Local Similarity 100.0%; Pred. No. 8.9e-14;
Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 CCTGTATCCCACTACTTAGGAGCTGAGGCGCTGAGGAGGAGTAATGCTTGAA 267
Db 18201 CCTGTATCCCACTACTTAGGAGCTGAGGCGCTGAGGAGGAGTAATGCTTGAA 18154

RESULT 9
US-09-918-995-29267
; Sequence 29267, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 29267
; LENGTH: 466
; TYPE: DNA
```



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; LENGTH: 122186
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-563-728A-36

Query Match      2.6%; Score 44; DB 9; Length 122186;
Best Local Similarity 100.0%; Pred. No. 7.6e-12;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 216 CACACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 259
      |||||||
Db 35936 CACACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 35893

RESULT 14
US-09-982-091A-5/C
; Sequence 5, Application US/09982091A
; Patent No. US20020151030A1
; GENERAL INFORMATION:
; APPLICANT: CALIFORNIA INSTITUTE OF TECHNOLOGY
; APPLICANT: KUMAGAI, Akiko
; APPLICANT: DUNPHY, William
; TITLE OF INVENTION: CLASPIN PROTEINS AND METHODS OF USE THEREOF
; FILE REFERENCE: CIT1320-1
; CURRENT APPLICATION NUMBER: US/09/982,091A
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: US 60/241,246
; PRIOR FILING DATE: 2000-10-17
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 58837
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-982-091A-5

Query Match      2.6%; Score 43; DB 10; Length 58837;
Best Local Similarity 100.0%; Pred. No. 2.6e-11;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 77 GGTGGCTCATGCGCTATATCCAGCACTTTGGGAGCCTGAGGT 119
      |||||||
Db 44531 GGTGGCTCATGCGCTATATCCAGCACTTTGGGAGCCTGAGGT 44489

RESULT 15
US-10-017-724-3
; Sequence 3, Application US/10017724
; Publication No. US2003009958A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Jeanette
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE
; FILE REFERENCE: MMI-004
; CURRENT APPLICATION NUMBER: US/10/017,724
; CURRENT FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/317,178
; PRIOR FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US 60/329,958
; PRIOR FILING DATE: 2001-10-16
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 98829
; TYPE: DNA
; ORGANISM: Homo Sapiens
; NAME/KEY: misc_feature
; LOCATION: (1)..(98829)
; OTHER INFORMATION: n = A,T,C or G
US-10-017-724-3

Query Match      2.6%; Score 43; DB 9; Length 98829;
Best Local Similarity 100.0%; Pred. No. 2.4e-11;
```

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Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 217 ACACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 259
      |||||||
Db 30694 ACACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 30736

RESULT 16
US-09-867-701-8121/C
; Sequence 8121, Application US/09867701
; Patent No. US20020132237A1
; GENERAL INFORMATION:
; APPLICANT: Agiate, Paul A.
; APPLICANT: Jones, Robert
; APPLICANT: Harlocker, Susan L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF OVARIAN CANCER
; FILE REFERENCE: 210121.497
; CURRENT APPLICATION NUMBER: US/09/867,701
; CURRENT FILING DATE: 2001-05-29
; NUMBER OF SEQ ID NOS: 10912
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8121
; LENGTH: 397
; TYPE: DNA
; ORGANISM: Homo sapien
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)..(397)
; OTHER INFORMATION: n = A,T,C or G
US-09-867-701-8121

Query Match      2.5%; Score 42; DB 10; Length 397;
Best Local Similarity 100.0%; Pred. No. 1.4e-10;
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 218 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 259
      |||||||
Db 139 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 98

RESULT 17
US-09-764-891-5951
; Sequence 5951, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5951
; LENGTH: 24977
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-5951

Query Match      2.5%; Score 42; DB 9; Length 24977;
Best Local Similarity 100.0%; Pred. No. 8.7e-11;
Matches 42; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 218 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 259
      |||||||
Db 24413 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 24454

RESULT 18
US-09-764-891-8476
; Sequence 8476, Application US/09764891
; Publication No. US20030077808A1
```


GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; FILE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918,995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235,076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 13851
; LENGTH: 478
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(478)
; OTHER INFORMATION: n = A,T,C or G
US-09-918-995-13851

Query Match 2.4%; Score 41; DB 9; Length 478;
Best Local Similarity 100.0%; Pred. No. 4.2e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 71 GGGTGGGTCGCTCATCCCTATATATCCAGCACTTTGGGAG 111
|||||
Db 181 GGGTGGGTCGCTCATCCCTATATATCCAGCACTTTGGGAG 221

RESULT 24
US-09-880-107-3872
; Sequence 3872, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3872
; LENGTH: 2694
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 Z28339
US-09-880-107-3872

Query Match 2.4%; Score 41; DB 10; Length 2694;
Best Local Similarity 100.0%; Pred. No. 3.5e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 71 GGGTGGGTCGCTCATCCCTATATATCCAGCACTTTGGGAG 111
|||||
Db 2130 GGGTGGGTCGCTCATCCCTATATATCCAGCACTTTGGGAG 2170

RESULT 25
US-09-954-456-45
; Sequence 45, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand

; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 45
; LENGTH: 3088
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-45

Query Match 2.4%; Score 41; DB 10; Length 3088;
Best Local Similarity 100.0%; Pred. No. 3.4e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCACAGACTAGCTGGCCCAACATGGTGAACCC 176
|||||
Db 1364 GTCAGGAGTTCACAGACTAGCTGGCCCAACATGGTGAACCC 1404

RESULT 26
US-09-954-456-1621
; Sequence 1621, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using C
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,863
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 2276

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; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1621
; LENGTH: 3088
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-954-456-1621

Query Match      2.4%; Score 41; DB 10; Length 3088;
Best Local Similarity 100.0%; Pred. No. 3.4e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGAGTTCAGACTAGCCTGGCCAAACATGGTGAACCC 176
      |||||||
Db 1364 GTCAGAGTTCAGACTAGCCTGGCCAAACATGGTGAACCC 1404

RESULT 27
US-09-969-347-234
; Sequence 234, Application US/09969347
; Patent No. US20020115085A1
; GENERAL INFORMATION:
; APPLICANT: Enever, Reinhard
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu
; FILE REFERENCE: 689290-69
; CURRENT APPLICATION NUMBER: US/09/969,347
; CURRENT FILING DATE: 2001-10-02
; PRIOR APPLICATION NUMBER: US/60/237,598
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: US/60/237,604
; PRIOR FILING DATE: 2000-10-03
; NUMBER OF SEQ ID NOS: 318
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 234
; LENGTH: 3088
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-969-347-234

Query Match      2.4%; Score 41; DB 10; Length 3088;
Best Local Similarity 100.0%; Pred. No. 3.4e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGAGTTCAGACTAGCCTGGCCAAACATGGTGAACCC 176
      |||||||
Db 1364 GTCAGAGTTCAGACTAGCCTGGCCAAACATGGTGAACCC 1404

RESULT 28
US-09-764-891-8367/c
; Sequence 8367, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 8367
; LENGTH: 10680
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-8367

Query Match      2.4%; Score 41; DB 9; Length 10680;
Best Local Similarity 100.0%; Pred. No. 3e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 227 TCCAGCTACTTAGGAGGCTGAGGCAGGAGAAATTCGTTGAA 267
      |||||||
```

```
Db 5034 TCCAGCTACTTAGGAGGCTGAGGCAGGAGAAATTCGTTGAA 4994

RESULT 29
US-10-074-095-1091/c
; Sequence 1091, Application US/10074095
; Publication No. US20030077704A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008C1
; CURRENT APPLICATION NUMBER: US/10/074,095
; CURRENT FILING DATE: 2002-02-14
; PRIOR APPLICATION NUMBER: 09/764,860
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/241,809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249,299
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,617
; PRIOR FILING DATE: 2000-11-01
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1	PRIOR FILING DATE: 2000-11-17	
2	PRIOR APPLICATION NUMBER: 60/249,208	
3	PRIOR FILING DATE: 2000-11-17	
4	PRIOR APPLICATION NUMBER: 60/249,213	
5	PRIOR FILING DATE: 2000-11-17	
6	PRIOR APPLICATION NUMBER: 60/249,212	
7	PRIOR FILING DATE: 2000-11-17	
8	PRIOR APPLICATION NUMBER: 60/249,207	
9	PRIOR FILING DATE: 2000-11-17	
10	PRIOR APPLICATION NUMBER: 60/249,245	
11	PRIOR FILING DATE: 2000-11-17	
12	PRIOR APPLICATION NUMBER: 60/249,244	
13	PRIOR FILING DATE: 2000-11-17	
14	PRIOR APPLICATION NUMBER: 60/249,217	
15	PRIOR FILING DATE: 2000-11-17	
16	PRIOR APPLICATION NUMBER: 60/249,211	
17	PRIOR FILING DATE: 2000-11-17	
18	PRIOR APPLICATION NUMBER: 60/249,215	
19	PRIOR FILING DATE: 2000-11-17	
20	PRIOR APPLICATION NUMBER: 60/249,264	
21	PRIOR FILING DATE: 2000-11-17	
22	PRIOR APPLICATION NUMBER: 60/249,214	
23	PRIOR FILING DATE: 2000-11-17	
24	PRIOR APPLICATION NUMBER: 60/249,297	
25	PRIOR FILING DATE: 2000-11-17	
26	PRIOR APPLICATION NUMBER: 60/232,400	
27	PRIOR FILING DATE: 2000-09-14	
28	PRIOR APPLICATION NUMBER: 60/231,242	
29	PRIOR FILING DATE: 2000-09-08	
30	PRIOR APPLICATION NUMBER: 60/232,081	
31	PRIOR FILING DATE: 2000-09-08	
32	PRIOR APPLICATION NUMBER: 60/232,080	
33	PRIOR FILING DATE: 2000-09-08	
34	PRIOR APPLICATION NUMBER: 60/231,414	
35	PRIOR FILING DATE: 2000-09-08	
36	PRIOR APPLICATION NUMBER: 60/231,244	
37	PRIOR FILING DATE: 2000-09-08	
38	PRIOR APPLICATION NUMBER: 60/233,064	
39	PRIOR FILING DATE: 2000-09-14	
40	PRIOR APPLICATION NUMBER: 60/233,063	
41	PRIOR FILING DATE: 2000-09-14	
42	PRIOR APPLICATION NUMBER: 60/232,397	
43	PRIOR FILING DATE: 2000-09-14	
44	PRIOR APPLICATION NUMBER: 60/232,399	
45	PRIOR FILING DATE: 2000-09-14	
46	PRIOR APPLICATION NUMBER: 60/232,401	
47	PRIOR FILING DATE: 2000-09-14	
48	PRIOR APPLICATION NUMBER: 60/241,808	
49	PRIOR FILING DATE: 2000-10-20	
50	PRIOR APPLICATION NUMBER: 60/241,826	
51	PRIOR FILING DATE: 2000-10-20	
52	PRIOR APPLICATION NUMBER: 60/241,786	
53	PRIOR FILING DATE: 2000-10-20	
54	PRIOR APPLICATION NUMBER: 60/241,221	
55	PRIOR FILING DATE: 2000-10-20	
56	PRIOR APPLICATION NUMBER: 60/246,475	
57	PRIOR FILING DATE: 2000-11-08	
58	PRIOR APPLICATION NUMBER: 60/231,243	
59	PRIOR FILING DATE: 2000-09-08	

QY	136	GT	CAGGAGTTC	AA	GACTAG	CCTGG	CC	AA	CATGG	TG	AA	ACCC	176
Db	7028	GT	CAGGAGTTC	AA	GACTAG	CCTGG	CC	AA	CATGG	TG	AA	ACCC	6988

RESULT 30
US-09-764-860-1091/c
; Sequence 1091, Application US/09764860
; Patent No. US20020094953A1

GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008
; CURRENT APPLICATION NUMBER: US/09/764,860
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1198
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1091
; LENGTH: 15500
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-860-1091

Query Match 2.4%; Score 41; DB 10; Length 15500;
Best Local Similarity 100.0%; Pred. No. 2.9e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176
|||||
Db 7028 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6988

RESULT 31

US-10-072-349-321/c
; Sequence 321, Application US/10072349
; Publication No. US20030054420A1
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P110C1
; CURRENT APPLICATION NUMBER: US/10/072,349
; CURRENT FILING DATE: 2002-02-11
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 321
; LENGTH: 16552
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-072-349-321

Query Match 2.4%; Score 41; DB 9; Length 16552;
Best Local Similarity 100.0%; Pred. No. 2.8e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176
|||||
Db 6659 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6619

RESULT 32

US-10-072-349-322/c
; Sequence 322, Application US/10072349
; Publication No. US20030054420A1
; GENERAL INFORMATION:

; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P110C1
; CURRENT APPLICATION NUMBER: US/10/072,349
; CURRENT FILING DATE: 2002-02-11
; Prior Application removed - See file Wrapper or Palm
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn Ver. 3.1
; SEQ ID NO 322
; LENGTH: 16552
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-072-349-322

Query Match 2.4%; Score 41; DB 9; Length 16552;
Best Local Similarity 100.0%; Pred. No. 2.8e-10;

Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176
|||||
Db 6659 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6619

RESULT 33

US-09-764-855-321/c
; Sequence 321, Application US/09764855
; Patent No. US20020119919A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1110
; CURRENT APPLICATION NUMBER: US/09/764,855
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 321
; LENGTH: 16552
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-855-321

Query Match 2.4%; Score 41; DB 10; Length 16552;
Best Local Similarity 100.0%; Pred. No. 2.8e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176
|||||
Db 6659 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6619

RESULT 34

US-09-764-855-322/c
; Sequence 322, Application US/09764855
; Patent No. US20020119919A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P1110
; CURRENT APPLICATION NUMBER: US/09/764,855
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 334
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 322
; LENGTH: 16552
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-855-322

Query Match 2.4%; Score 41; DB 10; Length 16552;
Best Local Similarity 100.0%; Pred. No. 2.8e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 176
|||||
Db 6659 GTCAGGAGTTCAAGACTAGCCTGGCCCAACATGGTGAACCC 6619

RESULT 35

US-09-764-877-3806/c
; Sequence 3806, Application US/09764877
; Patent No. US20020147140A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC005
; CURRENT APPLICATION NUMBER: US/09/764,877
; CURRENT FILING DATE: 2001-01-17

; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 4031
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3806
; LENGTH: 18878
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-877-3806

Query Match 2.4%; Score 41; DB 10; Length 18878;
Best Local Similarity 100.0%; Pred. No. 2.8e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 227 TCCAGCTACTTAGAGCTGAGGCGAGGAGGAATTCCTTGAA 267
Db 1561 TCCAGCTACTTAGAGGCTGAGGCGAGGAGGAATTCCTTGAA 1521
|||||

RESULT 36
US-09-764-891-8034/c
; Sequence 8034, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8034
; LENGTH: 27062
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-8034

Query Match 2.4%; Score 41; DB 9; Length 27062;
Best Local Similarity 100.0%; Pred. No. 2.7e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 136 GTCAGGAGTTCAAGACTAGCTGCGCCAAACATGTTGAAACCC 176
Db 4412 GTCAGGAGTTCAAGACTAGCTGCGCCAAACATGTTGAAACCC 4372
|||||

RESULT 37
US-09-835-081-3
; Sequence 3, Application US/09835081
; Patent No. US20020151020A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Xianghe et al.
; TITLE OF INVENTION: ISOLATED HUMAN KINASE PROTEINS, NUCLEIC
; TITLE OF INVENTION: ACID MOLECULES ENCODING HUMAN KINASE PROTEINS, AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: CL001224
; CURRENT APPLICATION NUMBER: US/09/835,081
; CURRENT FILING DATE: 2001-04-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 57130
; TYPE: DNA
; ORGANISM: Human
US-09-835-081-3

Query Match 2.4%; Score 41; DB 10; Length 57130;
Best Local Similarity 100.0%; Pred. No. 2.5e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 71 GGGTGGGTGGCTCATGCTATATATCCAGCACTTTGGGAG 111
Db 23473 GGGTGGGTGGCTCATGCTATATATCCAGCACTTTGGGAG 23513
|||||

RESULT 38
US-09-982-091A-5
; Sequence 5, Application US/09982091A
; Patent No. US20020151030A1
; GENERAL INFORMATION:
; APPLICANT: CALIFORNIA INSTITUTE OF TECHNOLOGY
; APPLICANT: KUNAGAI, Akiko
; APPLICANT: DUNPHY, William
; TITLE OF INVENTION: CLASPIN PROTEINS AND METHODS OF USE THEREOF
; FILE REFERENCE: CTT1320-1
; CURRENT APPLICATION NUMBER: US/09/982,091A
; CURRENT FILING DATE: 2002-10-17
; PRIOR APPLICATION NUMBER: US 60/241,246
; PRIOR FILING DATE: 2000-10-17
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 58837
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-982-091A-5

Query Match 2.4%; Score 41; DB 10; Length 58837;
Best Local Similarity 100.0%; Pred. No. 2.5e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 136 GTCAGGAGTTCAAGACTAGCTGCGCCAAACATGTTGAAACCC 176
Db 1206 GTCAGGAGTTCAAGACTAGCTGCGCCAAACATGTTGAAACCC 1246
|||||

RESULT 39
US-09-901-152-3/c
; Sequence 3, Application US/09901152
; Publication No. US20030022824A1
; GENERAL INFORMATION:
; APPLICANT: HU, Song et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: CL001248
; CURRENT APPLICATION NUMBER: US/09/901,152
; CURRENT FILING DATE: 2001-07-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 58985
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(58985)
; OTHER INFORMATION: n = A,T,C or G
US-09-901-152-3

Query Match 2.4%; Score 41; DB 9; Length 58985;
Best Local Similarity 100.0%; Pred. No. 2.5e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 71 GGGTGGGTGGCTCATGCTATATATCCAGCACTTTGGGAG 111
Db 15004 GGGTGGGTGGCTCATGCTATATATCCAGCACTTTGGGAG 14964
|||||

RESULT 40
US-09-859-888-3
; Sequence 3, Application US/09859888
; Patent No. US20020173459A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,


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; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: US$ THEREOF
; FILE REFERENCE: CL001239
; CURRENT APPLICATION NUMBER: US/09/859,888
; CURRENT FILING DATE: 2001-05-18
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 65464
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc:feature
; LOCATION: (1)...(65464)
; OTHER INFORMATION: n = A,T,C or G
US-09-859-888-3

Query Match      2.4%; Score 41; DB 9; Length 65464;
Best Local Similarity 100.0%; Pred. No. 2.4e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 218 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAA 258
      |||||||
Db 7275 CACCTGTATCCAGCTACTTAGGAGGCTGAGGCGAGGAGAA 7315

RESULT 41
US-09-880-107-3949/c
; Sequence 3949, Application US/09880107
; Patent No. US20020142981A1
; GENERAL INFORMATION:
; APPLICANT: Horne, Darci T.
; APPLICANT: Vockley, Joseph G.
; APPLICANT: Scherf, Uwe
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
; FILE REFERENCE: 44921-5028-WO
; CURRENT APPLICATION NUMBER: US/09/880,107
; CURRENT FILING DATE: 2001-06-14
; PRIOR APPLICATION NUMBER: US 60/211,379
; PRIOR FILING DATE: 2000-06-14
; PRIOR APPLICATION NUMBER: US 60/237,054
; PRIOR FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 3950
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3949
; LENGTH: 76798
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 284718
US-09-880-107-3949

Query Match      2.4%; Score 41; DB 10; Length 76798;
Best Local Similarity 100.0%; Pred. No. 2.4e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 71 GGGTGGGTGGCTCATGCTATATCCAGCACTTTGGGAG 111
      |||||||
Db 28999 GGGTGGGTGGCTCATGCTATATCCAGCACTTTGGGAG 28959

RESULT 42
US-10-094-989-3
; Sequence 3, Application US/10094989
; Patent No. US20020115179A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHODIESTERASE
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: PHOSPHODIESTERASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001063DIV
; CURRENT APPLICATION NUMBER: US/10/094,989
```

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; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 09/754,250
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 111282
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc:feature
; LOCATION: (1)...(111282)
; OTHER INFORMATION: n = A,T,C or G
US-10-094-989-3

Query Match      2.4%; Score 41; DB 12; Length 111282;
Best Local Similarity 100.0%; Pred. No. 2.3e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 227 TCCAGCTACTTAGGAGGCTGAGGCGAGGAGCAATTCGTTGAA 267
      |||||||
Db 3839 TCCAGCTACTTAGGAGGCTGAGGCGAGGAGCAATTCGTTGAA 3879

RESULT 43
US-09-910-185-11
; Sequence 11, Application US/09910185
; Publication No. US20030083279A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Susan M. Freier
; TITLE OF INVENTION: ANTISENSE MODULATION OF GLIOMA-ASSOCIATED ONCOGENE-3 EXPRESSION
; FILE REFERENCE: RTS-0258
; CURRENT APPLICATION NUMBER: US/09/910,185
; CURRENT FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 11
; LENGTH: 123526
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-910-185-11

Query Match      2.4%; Score 41; DB 9; Length 123526;
Best Local Similarity 100.0%; Pred. No. 2.3e-10;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 136 GTCAGGAGTTCAGAGCTAGCTGCGCCCAACATGTTGAACCC 176
      |||||||
Db 71978 GTCAGGAGTTCAGAGCTAGCTGCGCCCAACATGTTGAACCC 72018

RESULT 44
US-09-804-474A-3/c
; Sequence 3, Application US/09804474A
; Patent No. US20020119518A1
; GENERAL INFORMATION:
; APPLICANT: KODET, Stefan et al
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000891
; CURRENT APPLICATION NUMBER: US/09/804,474A
; CURRENT FILING DATE: 2001-03-13
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 126512
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc:feature
; LOCATION: (1)...(126512)
; OTHER INFORMATION: n = A,T,C or G
```

RESULT 46
US-09-954-456-2116/c
; Sequence 2116, Application US/09954456
; Patent No. US20020115057A1
; GENERAL INFORMATION:
; APPLICANT: Young, Paul
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Cand
; TITLE OF INVENTION: Sets
; FILE REFERENCE: 689290-76
; CURRENT APPLICATION NUMBER: US/09/954,456
; CURRENT FILING DATE: 2001-09-18
; PRIOR APPLICATION NUMBER: US/60/233,617
; PRIOR FILING DATE: 2000-09-18
; PRIOR APPLICATION NUMBER: US/60/234,052
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: US/60/234,923
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,134
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: US/60/235,637
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,638
; PRIOR FILING DATE: 2000-09-26
; PRIOR APPLICATION NUMBER: US/60/235,711
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,720
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US/60/235,840
; PRIOR FILING DATE: 2000-09-27

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RESULT 48
US-10-091-572-882/c
; Sequence 882, Application US/10091572
; Publication No. US20030054373A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P4118C1
; CURRENT APPLICATION NUMBER: US/10/091,572
; CURRENT FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: 09/764,850
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886

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; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/251,869
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/235,834
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/234,274
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/234,223
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: 60/228,924
; PRIOR FILING DATE: 2000-08-30
; PRIOR APPLICATION NUMBER: 60/224,518
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,369
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/224,519
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,964
; PRIOR FILING DATE: 2000-07-26
; PRIOR APPLICATION NUMBER: 60/241,809
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/249,299
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/236,327
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/244,617
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 60/225,268
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/236,368
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/251,856
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/251,868
; PRIOR FILING DATE: 2000-12-08
; PRIOR APPLICATION NUMBER: 60/229,344
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/234,997
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: 60/229,343
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,345
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,287
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/229,513
; PRIOR FILING DATE: 2000-09-05

; PRIOR APPLICATION NUMBER: 60/231,413
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/229,509
; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/236,367
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/237,039
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,038
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/236,370
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/236,802
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,037
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,040
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/240,960
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/239,935
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: 60/239,937
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Best Local Similarity 100.0%; Pred. No. 1.le-09;

Matches 40; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-10-091-572-883/c

; Sequence 883, Application US/10091572

; Publication No. US20030054373A1

; GENERAL INFORMATION:

; APPLICANT: Rosen et al.

; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: P4118C1

; CURRENT APPLICATION NUMBER: US/10/091,572

; CURRENT FILING DATE: 2002-03-07

; PRIOR APPLICATION NUMBER: 09/764,850

; PRIOR FILING DATE: 2001-01-17

; PRIOR APPLICATION NUMBER: 60/179,065

; PRIOR FILING DATE: 2000-01-31

; PRIOR APPLICATION NUMBER: 60/180,628

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: 60/214,886

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Db 483 CCTGTAATCCAGCTACTTAGGAGGCTGAGGCAGGAGAAAT 444

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; Sequence 9335, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 9335
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; TYPE: DNA
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US-09-764-891-9335

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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6	21	51.2	3958	5	PCT-US96-06035-5
7	20.4	49.8	1194	4	US-09-134-001C-2256
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9	20.4	49.8	111282	4	US-09-754-250-3
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ALIGNMENTS

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; Sequence 11, Application US/08870126
; Patent No. 6048702
; GENERAL INFORMATION:
; APPLICANT: Prendergast, George C.
; APPLICANT: Sakamuro, Daitoku
; TITLE OF INVENTION: Murine and Human Box-Dependent
; TITLE OF INVENTION: MYC-Interacting Protein (Bin1) and Uses Therefor
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Howson and Howson
; STREET: Spring House Corporate Cntr, P O Box 457
; CITY: Spring House
; STATE: Pennsylvania
; COUNTRY: USA
; ZIP: 19477
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/870,126
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/435,454
; FILING DATE: 05-MAY-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/652,972
; FILING DATE: 24-MAY-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Kodroff, Cathy A.
; REGISTRATION NUMBER: 33,980
; REFERENCE/DOCKET NUMBER: WST60CUSA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 215-540-9200
; TELEFAX: 215-540-5818
; INFORMATION FOR SEQ ID NO: 11:
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; TOPOLOGY: unknown
; MOLECULE TYPE: DNA (genomic)
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/ RESULT 2
/ US-09-445-247-11
/ ; Sequence 11, Application US/09445247
/ ; Patent No. 6410238
/ ; GENERAL INFORMATION:
/ ; APPLICANT: Wistar Institute of Anatomy & Biology
/ ; ; Prendergast, George C.
/ ; ; Sakamuro, Daitoku
/ ; TITLE OF INVENTION: Box-Dependent MYC-Interacting Protein
/ ; (Bin1) Compositions and Uses Therefor
/ ; NUMBER OF SEQUENCES: 22
/ ; CORRESPONDENCE ADDRESS:
/ ; ADDRESSEE: Howson and Howson
/ ; STREET: Spring House Corporate Cntr, P O Box 457
/ ; CITY: Spring House
/ ; STATE: Pennsylvania
/ ; COUNTRY: USA
/ ; ZIP: 19477
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/ ; FILING DATE: 03-Dec-1999
/ ; CLASSIFICATION: <Unknown>
/ ; PRIOR APPLICATION DATA:
/ ; APPLICATION NUMBER: US 08/870,126
/ ; FILING DATE: 06-JUN-1997
/ ; ATTORNEY/AGENT INFORMATION:
/ ; NAME: Bak, Mary E.
/ ; REGISTRATION NUMBER: 31,215
/ ; REFERENCE/DOCKET NUMBER: WST60DPCT
/ ; TELECOMMUNICATION INFORMATION:
/ ; TELEPHONE: 215-540-9200
/ ; TELEFAX: 215-540-5818
/ ; INFORMATION FOR SEQ ID NO: 11:
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/ TOPOLOGY: unknown
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/ LOCATION: 680..765
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/ NAME/KEY: exon
/ LOCATION: 1052..1127
/ OTHER INFORMATION: /note= "exon 8"
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 2503..2585
/ OTHER INFORMATION: /note= "exon 9"
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 4059..4103
/ OTHER INFORMATION: /note= "exon 10"
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 5543..5687
/ OTHER INFORMATION: /note= "exon 11"
/ FEATURE:
/ NAME/KEY: exon
/ LOCATION: 7093..7221
/ OTHER INFORMATION: /note= "exon 12A"
/ ; SEQUENCE DESCRIPTION: SEQ ID NO: 11:
/ US-09-445-247-11
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/ Query Match 53.7%; Score 22; DB 4; Length 8310;
/ Best Local Similarity 73.7%; Pred. No. 4.2;
/ Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
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/ QY 1 GTGTGAGAGAGAATGTGTCYCTAAGTGTCAAGTGTGAG 38
/ | | | | | | | | | | | | | | | | | | | | | |
/ Db 3220 GTGTGAGGGGACTGTGTGACAGGTGTAAGTGTGTG 3257
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/ RESULT 3
/ US-08-652-972A-6
/ ; Sequence 6, Application US/08652972A
/ ; Patent No. 5723581
/ ; GENERAL INFORMATION:
/ ; APPLICANT: Prendergast, George C.
/ ; APPLICANT: Sakamuro, Daitoku
/ ; TITLE OF INVENTION: Murine and Human Box-Dependent
/ ; TITLE OF INVENTION: MYC-Interacting Protein (BIN1) and Uses Therefor
/ ; NUMBER OF SEQUENCES: 7
/ ; CORRESPONDENCE ADDRESS:
/ ; ADDRESSEE: Howson and Howson
/ ; STREET: Spring House Corporate Cntr, P O Box 457
/ ; CITY: Spring House
/ ; STATE: Pennsylvania
/ ; COUNTRY: USA
/ ; ZIP: 19477
/ ; COMPUTER READABLE FORM:
/ ; MEDIUM TYPE: Floppy disk
/ ; COMPUTER: IBM PC compatible
/ ; OPERATING SYSTEM: PC-DOS/MS-DOS
/ ; SOFTWARE: Patent in Release #1.0, Version #1.30
/ ; CURRENT APPLICATION DATA:
/ ; APPLICATION NUMBER: US/08/652,972A
/ ; FILING DATE: 24-MAY-1996
/ ; CLASSIFICATION: 514
/ ; PRIOR APPLICATION DATA:
/ ; APPLICATION NUMBER: US 08/435,454
/ ; FILING DATE: 05-MAY-1995
/ ; ATTORNEY/AGENT INFORMATION:
/ ; NAME: Bak, Mary E.
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; LOCATION: 3175...4365
; OTHER INFORMATION: /note= "Exon 4"
; FEATURE:
; NAME/KEY: exon
; LOCATION: 4441...11518
; OTHER INFORMATION: /note= "Exon 5"
; FEATURE:
; NAME/KEY: exon
; LOCATION: 11519...11850
; OTHER INFORMATION: /note= "Exon 6"
; FEATURE:
; NAME/KEY: exon
; LOCATION: 11851...12240
; OTHER INFORMATION: /note= "Exon 7"
; FEATURE:
; NAME/KEY: exon
; LOCATION: 12241...14129
; OTHER INFORMATION: /note= "Exon 8"
; FEATURE:
; NAME/KEY: exon
; LOCATION: 14130...14985
; OTHER INFORMATION: /note= "Exon 9"
; PCT-US96-06231A-6

Query Match 53.7%; Score 22; DB 5; Length 14985;
Best Local Similarity 73.7%; Pred. No. 4.8;
Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAG 38
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DB 2336 GTGTGAGGGGACTGTGTGTGACAGGTGTAAGTGTGTG 2373

RESULT 5
US-08-435-933-5
; Sequence 5, Application US/08435933
; Patent No. 5693492
; GENERAL INFORMATION:
; APPLICANT: Cully, Doris F.
; APPLICANT: Arena, Joseph P.
; APPLICANT: Pares, Philip S.
; APPLICANT: Liu, Ken K.
; TITLE OF INVENTION: DNA ENCODING GLUTAMATE GATED CHLORIDE
; TITLE OF INVENTION: CHANNELS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: John W. Wallen III
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: US
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/435.933
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Wallen, III John W.
; REGISTRATION NUMBER: 35,403
; REFERENCE/DOCKET NUMBER: 19264
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3905
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3958 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single

; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
US-08-435-933-5

Query Match 51.2%; Score 21; DB 1; Length 3958;
Best Local Similarity 69.2%; Pred. No. 9.1;
Matches 27; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGT 39
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DB 114 GTGTGTGTGAGTGTGTTGTACATGTGCCAGTGTGAGT 152

RESULT 6
PCT-US96-06035-5
; Sequence 5, Application PC/TUS9606035
; GENERAL INFORMATION:
; APPLICANT: Cully, Doris F.
; APPLICANT: Arena, Joseph P.
; APPLICANT: Pares, Philip S.
; APPLICANT: Liu, Ken K.
; TITLE OF INVENTION: DNA ENCODING GLUTAMATE GATED CHLORIDE
; TITLE OF INVENTION: CHANNELS
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Jody M. Giesler
; STREET: 126 East Lincoln Avenue - P.O. BOX 2000-0907
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: US
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/06035
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Giesler, Jody M.
; REGISTRATION NUMBER: 32,838
; REFERENCE/DOCKET NUMBER: 19264 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3046
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3958 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
PCT-US96-06035-5

Query Match 51.2%; Score 21; DB 5; Length 3958;
Best Local Similarity 69.2%; Pred. No. 9.1;
Matches 27; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGT 39
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DB 114 GTGTGTGTGAGTGTGTTGTACATGTGCCAGTGTGAGT 152

RESULT 7
US-09-134-001C-2256/C
; Sequence 2256, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS

; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 2256
; LENGTH: 1194
; TYPE: DNA
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-2256

Query Match 49.8%; Score 20.4; DB 4; Length 1194;
Best Local Similarity 75.0%; Pred. No. 12;
Matches 24; Conservative 1; Mismatches 7; Indels 0; Gaps 0;

QY 10 AGAATGTCGTCYCTAAGTGTGAGTGTCT 41
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Db 267 AAATGTGGCCATAAATATCAGTGTATTTT 236

RESULT 8

US-08-781-891-208
; Sequence 208, Application US/08781891
; Patent No. 6090620
; GENERAL INFORMATION:
; APPLICANT: Fu, Ying-Hui
; APPLICANT: Yu, Chang-En
; APPLICANT: Oshima, Junko
; APPLICANT: Mulligan, John T.
; APPLICANT: Schellenberg, Gerald D.
; TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
; TITLE OF INVENTION: WERNER'S SYNDROME
; NUMBER OF SEQUENCES: 209
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED AND BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,891
; FILING DATE: 27-DEC-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: No. 6090620tenburg Ph.D., Carol
; REGISTRATION NUMBER: 39,317
; REFERENCE/DOCKET NUMBER: 240052.419
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 208:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-781-891-208

Query Match 49.8%; Score 20.4; DB 3; Length 16442;
Best Local Similarity 80.0%; Pred. No. 23;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 GTCTGAGAGAGATGTGTCYCTAAGTGTC 30
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Db 5570 GTCTGAGATAAATGTAAAGCACTAAGTGTC 5599

RESULT 9

US-09-754-250-3
; Sequence 3, Application US/09754250
; Patent No. 6376225
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN PHOSPHODIESTERASE
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: PHOSPHODIESTERASE PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001063
; CURRENT APPLICATION NUMBER: US/09/754,250
; CURRENT FILING DATE: 2001-01-05
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 111282
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(111282)
; OTHER INFORMATION: n = A,T,C or G
US-09-754-250-3

Query Match 49.8%; Score 20.4; DB 4; Length 111282;
Best Local Similarity 71.1%; Pred. No. 36;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 1 GTCTGAGAGAGATGTGTCYCTAAGTGTGAGTGTGAG 38
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Db 81928 GTCTCAGTGAGAGGTGGGGCTCAGTGAGAGGGTGAG 81965

RESULT 10

US-08-472-217-4
; Sequence 4, Application US/08472217
; Patent No. 5726058
; GENERAL INFORMATION:
; APPLICANT: Alanen-Kurki, Leena
; APPLICANT: Auvinen, Petri
; APPLICANT: Jaakkola, Panu
; APPLICANT: Jalkanen, Markku
; APPLICANT: Lepp, Sirpa
; APPLICANT: Maki, Markku
; APPLICANT: Vihinen, Tapani
; APPLICANT: Wiri, Anni
; TITLE OF INVENTION: Syndecan Stimulation Of Cellular
; TITLE OF INVENTION: Differentiation
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/472,217
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/206,186
; FILING DATE: 07-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/988,427

RESULT 13
US-08-760-534A-3
; Sequence 3, Application US/08760534A
; Patent No. 6017727
; GENERAL INFORMATION:
; APPLICANT: JAAKANEN, MARKKU
; APPLICANT: JAAKKOLA, PANKU
; APPLICANT: VIHINEN, TAPANI
; TITLE OF INVENTION: SYNDECAN ENHANCER ELEMENT AND SYNDECAN
; TITLE OF INVENTION: STIMULATION OF CELLULAR DIFFERENTIATION
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
; STREET: 1100 NEW YORK AVENUE, SUITE 600
; CITY: WASHINGTON
; STATE: DC
; COUNTRY: US
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/760,534A
; FILING DATE: 02-DEC-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/206,186
; FILING DATE: 07-MAR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FI93/00514
; FILING DATE: 01-DEC-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: CIMBALA, MICHELE A.
; REGISTRATION NUMBER: 33,851
; REFERENCE/DOCKET NUMBER: 1708.0050004/MAC
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2196 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-760-534A-3

Query Match 49.3%; Score 20.2; DB 3; Length 2196;
Best Local Similarity 71.4%; Pred. No. 17;
Matches 25; Conservative 1; Mismatches 9; Indels 0; Gaps 0;
Qy 6 AGAGAGACTGTGCYCTAAGTCTCAGTGTGAGTC 40
Db 1295 AAAGAGACTGCGTGCTTCACTGCCTGTGTGAATC 1329

RESULT 14
US-08-222-177A-56/G
; Sequence 56, Application US/08222177A
; Patent No. 5582979
; GENERAL INFORMATION:
; APPLICANT: Weber, James L.
; TITLE OF INVENTION: LENGTH POLYMORPHISMS IN
; TITLE OF INVENTION: (dC-dA)n.(dG-dT)n SEQUENCES AND METHODS OF USING SAME
; NUMBER OF SEQUENCES: 460
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dewitt Ross & Stevens, S.C.
; STREET: 8000 Excelsior Drive, Suite 401
; CITY: Madison

STATE: Wisconsin
COUNTRY: USA
ZIP: 53717-1914
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/222,177A
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/341,562
FILING DATE: 21-APR-1989
ATTORNEY/AGENT INFORMATION:
NAME: Sara, Charles S.
REGISTRATION NUMBER: 30,492
REFERENCE/DOCKET NUMBER: 09865.601
TELECOMMUNICATION INFORMATION:
TELEPHONE: (608) 831-2100
TELEFAX: (608) 831-2106
TELEX:
INFORMATION FOR SEQ ID NO: 56:
SEQUENCE CHARACTERISTICS:
LENGTH: 62 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
IMMEDIATE SOURCE:
CLONE: mfd2rs
US-08-222-177A-56

Query Match 48.3%; Score 19.8; DB 1; Length 62;
Best Local Similarity 65.9%; Pred. No. 10;
Matches 27; Conservative 1; Mismatches 13; Indels 0; Gaps 0;

Qy 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTGAGTGTGAGTCT 41
Db 47 GT 7

RESULT 15
US-08-340-820-24
; Sequence 24, Application US/08340820
; Patent No. 5512460
; GENERAL INFORMATION:
; APPLICANT: NARDO, Ken-ichi
; APPLICANT: SEKO, Chisako
; APPLICANT: KUROKAWA, Tsutomu
; APPLICANT: KONDO, Tatsuya
; TITLE OF INVENTION: GLIA ACTIVATING FACTOR AND ITS
; TITLE OF INVENTION: PRODUCTION
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: DAVID G. CONLIN; DIKE, BRONSTEIN, ROBERTS &
; ADDRESSEE: CUSHMAN
; STREET: 130 Water Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: US
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,820
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:

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; APPLICATION NUMBER: US/07/835,713
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: CONLIN, David G.
; REGISTRATION NUMBER: 27026
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)523-3400
; TELEFAX: (617)523-6440
; TELEX: 200291 STRE UR
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1493 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna to mrna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; HAPLOTYPE: 2n
; TISSUE TYPE: skin
; CELL TYPE: fibroblast
; IMMEDIATE SOURCE:
; LIBRARY: Human foreskin cdna library
; CLONE: pGAF1
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US-08-340-820-24

Query Match      48.3%; Score 19.8; DB 1; Length 1493;
Best Local Similarity 65.9%; Pred. No. 22;
Matches 27; Conservative 1; Mismatches 13; Indels 0; Gaps 0;

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Db      1046 GAGAGAGAGAGACTAGCGCCTAGGAGTGTGTATGTGTGT 1086

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Job time : 5.56992 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 08:23:23 ; Search time 3.56992 Seconds
(without alignments)
3522.136 Million cell updates/sec

Title: US-09-942-310-2_COPY_600_640

Perfect score: 41

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Maximum DB seq length: 2000000000

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Maximum Match 100%

Listing first 45 summaries

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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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1	22	53.7	4403765	4	US-09-103-840A-2
2	22	53.7	4411529	4	US-09-103-840A-1
3	21.8	52.2	432	4	US-09-397-787-223
C 4	21.4	52.2	5977	3	US-09-024-0208-1
C 5	21.4	52.2	5977	3	US-09-425-043-1
C 6	21.4	52.2	6007	3	US-09-024-0208-2
C 7	21.4	52.2	6007	4	US-09-425-043-2
C 8	21.4	52.2	6556	3	US-09-024-0208-7
C 9	21.4	52.2	6556	4	US-09-425-043-7
C 10	21.4	52.2	6586	3	US-09-024-0208-43
C 11	21.4	52.2	6586	4	US-09-425-043-43
C 12	21.4	52.2	6826	3	US-09-024-0208-8
C 13	21.4	52.2	6826	4	US-09-425-043-8
C 14	21.2	51.7	2359	1	US-08-188-582-4
C 15	21.2	51.7	2359	1	US-08-646-715-4
C 16	21.2	51.2	2652	1	US-08-318-831-1
C 17	20.4	49.8	1780	4	US-09-202-3488-5
C 18	20.4	49.8	1792	4	US-09-318-448-10
C 19	20.4	49.8	2168	2	US-08-633-879C-1
C 20	20.4	49.8	3582	4	US-08-538-526-2
C 21	20.4	49.8	4403765	4	US-09-103-840A-2
C 22	20.4	49.8	4411529	4	US-09-103-840A-1
C 23	20.2	49.3	2249	3	US-08-814-052-19
C 24	20.2	49.3	2279	3	US-08-814-052-17
C 25	20.2	49.3	2300	3	US-08-814-052-18
C 26	20.2	49.3	3183	2	US-08-939-218A-1
C 27	20.2	49.3	3187	5	PCT-US95-06815-1

Sequence 26, Appl
Sequence 1, Appl
Sequence 1, Appl
Sequence 26, Appl
Sequence 28, Appl
Sequence 273, App
Sequence 76, Appl
Sequence 261, App
Sequence 2, Appl
Sequence 11, Appl
Sequence 10, Appl
Sequence 20, Appl
Sequence 1, Appl
Sequence 12, Appl
Sequence 1, Appl
Sequence 7, Appl
Sequence 10, Appl
Sequence 2, Appl

c 28 20.2 49.3 3192 1 US-08-706-037-26
c 29 20.2 49.3 3192 1 US-08-940-661A-1
c 30 20.2 49.3 3192 2 US-09-083-485-1
c 31 20.2 49.3 3192 2 US-09-005-397-26
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c 33 20 48.8 645 3 US-09-188-930-273
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c 37 20 48.8 8916 4 US-09-579-181-11
c 38 20 48.8 9354 4 US-09-579-181-10
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c 40 19.8 48.3 1638 3 US-08-833-553-1
c 41 19.8 48.3 1638 4 US-09-078-173A-12
c 42 19.8 48.3 1638 4 US-09-418-222-1
c 43 19.8 48.3 2316 1 US-08-246-403A-7
c 44 19.8 48.3 2316 1 US-08-246-403A-10
c 45 19.8 48.3 2440 1 US-08-160-861-2

ALIGNMENTS

RESULT 1

US-09-103-840A-2

; Sequence 2, Application US/09103840A

; Patent No. 6294328

; GENERAL INFORMATION:

; APPLICANT: FLEISCHMAN, Robert D.

; APPLICANT: WHITE, Owen R.

; APPLICANT: FRASER, Claire M.

; APPLICANT: VENTER, John C.

; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM

; FILE REFERENCE: 24366-20007.00

; CURRENT APPLICATION NUMBER: US/09/103,840A

; CURRENT FILING DATE: 1998-06-24

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 2

; LENGTH: 4403765

; TYPE: DNA

; ORGANISM: Mycobacterium tuberculosis

; FEATURE:

; OTHER INFORMATION: CDC 1551

; OTHER INFORMATION: "n" bases at various positions throughout the sequence

; OTHER INFORMATION: represent a, t, c or g

US-09-103-840A-2

Query Match 53.7%; Score 22; DB 4; Length 4403765;
Best Local Similarity 70.0%; Pred. No. 38;
Matches 28; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 2 GAAACAGTGGAGGAGGACACCTCAGCGCCGGGAG 41

Db 1322917 GAATCACTGGGTGGACATCCGAGCGCCCGCGC 1322956

RESULT 2

US-09-103-840A-1

; Sequence 1, Application US/09103840A

; Patent No. 6294328

; GENERAL INFORMATION:

; APPLICANT: FLEISCHMAN, Robert D.

; APPLICANT: WHITE, Owen R.

; APPLICANT: FRASER, Claire M.

; APPLICANT: VENTER, John C.

; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM

; FILE REFERENCE: 24366-20007.00

; CURRENT APPLICATION NUMBER: US/09/103,840A

; CURRENT FILING DATE: 1998-06-24

; NUMBER OF SEQ ID NOS: 2

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5977 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-425-043-1

Query Match 52.2%; Score 21.4; DB 4; Length 5977;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy 1 AGAAGCAGTGGAGGAGGACCCCTCAGCAGCCCGGGAG 41
|| ||| ||||| || | | | | ||||| |||||
Db 2795 AGGAAGGAGTGGGAAGTGTTCATGTGCCAGCGGGAG 2755

RESULT 6

US-09-024-020B-2/c
Sequence 2, Application US/09024020B
Patent No. 6030810
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,020B
FILING DATE: 16-FEB-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 6007 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-024-020B-2

Query Match 52.2%; Score 21.4; DB 3; Length 6007;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy 1 AGAAGCAGTGGAGGAGGACCCCTCAGCAGCCCGGGAG 41
|| ||| ||||| || | | | | ||||| |||||
Db 2825 AGGAAGGAGTGGGAAGTGTTCATGTGCCAGCGGGAG 2785

RESULT 7

US-09-425-043-2/c
Sequence 2, Application US/09425043
Patent No. 6335172
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/425,043
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/024,020
FILING DATE: 16-FEB-1998
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 6007 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-425-043-2

Query Match 52.2%; Score 21.4; DB 4; Length 6007;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

Qy 1 AGAAGCAGTGGAGGAGGACCCCTCAGCAGCCCGGGAG 41
|| ||| ||||| || | | | | ||||| |||||
Db 2825 AGGAAGGAGTGGGAAGTGTTCATGTGCCAGCGGGAG 2785

RESULT 8

US-09-024-020B-7/c
Sequence 7, Application US/09024020B
Patent No. 6030810
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF

```

;
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6556 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-024-020B-7

Query Match 52.2%; Score 21.4; DB 3; Length 6556;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACRACCTCAGGCGCGGGAG 41
|| ||| ||||| || | | | | ||||| |||||
Db 2942 AGGAGGAGTGGAGGAGTCTTCATGTGCCAGCGGGAG 2902

RESULT 9
US-09-024-020B-7/c
; Sequence 7, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/425,043
; FILING DATE:

;
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US 09/024,020
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6556 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-024-020B-7

Query Match 52.2%; Score 21.4; DB 4; Length 6556;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACRACCTCAGGCGCGGGAG 41
|| ||| ||||| || | | | | ||||| |||||
Db 2942 AGGAGGAGTGGAGGAGTCTTCATGTGCCAGCGGGAG 2902

RESULT 10
US-09-024-020B-43/c
; Sequence 43, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6586 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-425-043-7
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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-024-020B-43

Query Match          52.2%; Score 21.4; DB 3; Length 6586;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAACGAGTGGAGGAGGACACCCCTCAGGCAGCCCGGGAG 41
   ||| ||||| ||| | | | | | | | | | | | | | | | |
Db 2972 AGGAGGAGTGGGAAGAAGTCGTTTCATGTGCCAGCGGGGAG 2932

RESULT 11
US-09-425-043-43/c
; Sequence 43, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 43:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6586 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-425-043-43

Query Match          52.2%; Score 21.4; DB 4; Length 6586;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAACGAGTGGAGGAGGACACCCCTCAGGCAGCCCGGGAG 41
   ||| ||||| ||| | | | | | | | | | | | | | | | |
Db 2972 AGGAGGAGTGGGAAGAAGTCGTTTCATGTGCCAGCGGGGAG 2932

RESULT 12
US-09-024-020B-8/c
; Sequence 8, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6826 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-09-024-020B-8

Query Match          52.2%; Score 21.4; DB 3; Length 6826;
Best Local Similarity 68.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAACGAGTGGAGGAGGACACCCCTCAGGCAGCCCGGGAG 41
   ||| ||||| ||| | | | | | | | | | | | | | | | |
Db 2768 AGGAGGAGTGGGAAGAAGTCGTTTCATGTGCCAGCGGGGAG 2728

RESULT 13
US-09-425-043-8/c
; Sequence 8, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; TITLE OF INVENTION: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: JANET PAULINE CLARK
```

```
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/425,043
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/024,020
; FILING DATE: 16-FEB-1998
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6826 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-425-043-8

Query Match          52.2%; Score 21.4; DB 4; Length 6826;
Best Local Similarity 58.3%; Pred. No. 48;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGTGAGGAGGACACCTCAGGCGCGGGAG 41
Db 2768 AGAAGGAGTGGAAGAGTGCTTCATGTGCCAGCGGGAG 2728

RESULT 14
US-08-188-582-4
; Sequence 4, Application US/08188582
; Patent No. 5534410
; GENERAL INFORMATION:
; APPLICANT: Tjian, Robert
; APPLICANT: Comai, Lucio
; APPLICANT: Dynlacht, Brian D.
; APPLICANT: Hoey, Timothy
; APPLICANT: Ruppert, Siegfried
; APPLICANT: Tanese, Naoko
; APPLICANT: Wang, Edith
; APPLICANT: Weinzierl, Robert O.J.
; TITLE OF INVENTION: TATA-BINDING PROTEIN ASSOCIATED FACTORS,
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,715
; FILING DATE: 09-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/188,582
; FILING DATE: 28-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: A-57650-2/AJT/RAO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989

; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/425,043
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/024,020
; FILING DATE: 16-FEB-1998
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R0020B-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 6826 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-09-425-043-8

Query Match          51.7%; Score 21.2; DB 1; Length 2359;
Best Local Similarity 72.2%; Pred. No. 51;
Matches 26; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY 5 ACCAGTGTGAGGAGGACACCTCAGGCGCGGGGA 40
Db 927 ACCAGAGGAGGAGGACGATGATCGGATGCGCGGA 962

RESULT 15
US-08-646-715-4
; Sequence 4, Application US/08646715
; Patent No. 5637686
; GENERAL INFORMATION:
; APPLICANT: Tjian, Robert
; APPLICANT: Comai, Lucio
; APPLICANT: Dynlacht, Brian D.
; APPLICANT: Hoey, Timothy
; APPLICANT: Ruppert, Siegfried
; APPLICANT: Tanese, Naoko
; APPLICANT: Wang, Edith
; APPLICANT: Weinzierl, Robert O.J.
; TITLE OF INVENTION: TATA-BINDING PROTEIN ASSOCIATED FACTORS,
; NUMBER OF SEQUENCES: 36
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT
; STREET: 4 Embarcadero Center, Suite 3400
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-4187
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/646,715
; FILING DATE: 09-MAY-1996
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/188,582
; FILING DATE: 28-JAN-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Osman, Richard A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: A-57650-2/AJT/RAO
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 781-1989
```

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; TELEFAX: (415) 398-3249
; TELEX: 910 277299
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2359 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 49..2160
US-08-646-715-4

Query Match      51.7%; Score 21.2; DB 1; Length 2359;
Best Local Similarity 72.2%; Pred. No. 51;
Matches 26; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

QY      5 AGCAGTGGAGGAGGACRACCTCAGGCGCGCGGA 40
Db      927 ACCAGAGGAGGAGGAGGATGATCCGGATGCCCGCGGA 962

Search completed: June 14, 2003, 09:35:04
Job time : 28.5699 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 09:27:43 ; Search time 10.8828 Seconds
(without alignments)
5455.418 Million cell updates/sec

Title: US-09-942-310-2_COPY_600_640
Perfect score: 41
Sequence: 1 agaaagcagtggaggagac.....accctcaggcagccgggag 41

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

- Database : Published Applications_NA:*
- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
 - 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
 - 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
 - 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
 - 5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
 - 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
 - 7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
 - 8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
 - 9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
 - 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
 - 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
 - 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
 - 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
 - 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40.6	99.0	1680	9	US-09-942-310-2
2	40.6	99.0	9432	9	US-09-942-310-1
3	40.6	99.0	9432	9	US-10-209-737-1
4	40.6	99.0	9433	9	US-10-209-737-2
5	24.6	60.0	159	10	US-09-864-761-25857
6	24.6	60.0	555	10	US-09-864-761-9308
7	24.6	60.0	2636	10	US-09-789-404-1
8	24.6	60.0	2781	9	US-10-037-270-622
9	22.4	54.6	3314	10	US-09-764-864-490
10	22	53.7	1845	10	US-09-778-844-64
11	22	53.7	185695	9	US-10-020-141-11
12	22	53.7	185695	9	US-10-017-721-1
13	21.8	53.2	195	10	US-09-864-761-18173
14	21.8	53.2	195	10	US-09-864-761-19007
15	21.8	53.2	432	10	US-09-876-889-223
16	21.8	53.2	461	10	US-09-864-761-2269
17	21.8	53.2	462	10	US-09-864-761-2795
18	21.8	53.2	620	10	US-09-925-297-303
19	21.8	53.2	906	10	US-09-925-297-302

20	21.8	53.2	1006	9	US-09-964-899-22	Sequence 22, Appl
c 21	21.8	53.2	4215	9	US-10-037-270-295	Sequence 295, App
c 22	21.8	53.2	17252	9	US-10-074-095-1102	Sequence 1102, Ap
c 23	21.8	53.2	17252	10	US-09-764-860-1102	Sequence 1102, Ap
c 24	21.8	53.2	76798	10	US-09-880-107-3949	Sequence 3949, Ap
c 25	21.4	52.2	267	10	US-09-923-876-460	Sequence 460, App
c 26	21.4	52.2	170834	10	US-09-835-232-7	Sequence 7, Appl
c 27	21.2	51.7	1143	10	US-09-822-849-95	Sequence 95, Appl
c 28	21	51.2	183	10	US-09-864-761-26896	Sequence 26896, A
c 29	21	51.2	250	10	US-09-998-598-1948	Sequence 1948, Ap
c 30	21	51.2	479	10	US-09-864-761-10261	Sequence 10261, A
c 31	21	51.2	483	9	US-09-918-995-27238	Sequence 27238, A
c 32	21	51.2	587	9	US-10-015-219-1652	Sequence 1652, Ap
c 33	21	51.2	587	10	US-09-777-564-1652	Sequence 1652, A
c 34	21	51.2	1639	9	US-10-198-846-13062	Sequence 13062, A
c 35	21	51.2	3109	9	US-09-746-783-85	Sequence 85, Appl
c 36	21	51.2	52216	10	US-09-747-810-1	Sequence 1, Appl
c 37	20.8	50.7	899	9	US-10-243-157-4	Sequence 4, Appl
c 38	20.8	50.7	899	9	US-10-243-157-5	Sequence 5, Appl
c 39	20.8	50.7	905	9	US-10-119-466-11	Sequence 11, Appl
c 40	20.8	50.7	905	9	US-10-243-157-1	Sequence 1, Appl
c 41	20.8	50.7	905	9	US-10-243-157-2	Sequence 2, Appl
c 42	20.8	50.7	932	10	US-09-840-795-18	Sequence 18, Appl
c 43	20.8	50.7	1156	9	US-10-231-426-2	Sequence 2, Appl
c 44	20.8	50.7	1550	9	US-09-796-753-7	Sequence 7, Appl
c 45	20.8	50.7	3152	9	US-10-046-433-60	Sequence 60, Appl

ALIGNMENTS

RESULT 1
US-09-942-310-2
; Sequence 2, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaisson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms
; FILE REFERENCE: GG119.1US
; CURRENT APPLICATION NUMBER: US/09/942,310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1680
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-942-310-2

Query Match 99.0%; Score 40.6; DB 9; Length 1680;
Best Local Similarity 100.0%; Pred. No. 2.2e-06;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGAAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCGGGAG 41
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Db 500 AGAAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCGGGAG 640

RESULT 2
US-09-942-310-1
; Sequence 1, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaisson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

FILE REFERENCE: GGI19.LUS
CURRENT APPLICATION NUMBER: US/09/942,310
CURRENT FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: GB 0021286.0
PRIOR FILING DATE: 2000-08-30
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 9432
TYPE: DNA
ORGANISM: homo sapiens
US-09-942-310-1

Query Match 99.0%; Score 40.6; DB 9; Length 9432;
Best Local Similarity 97.6%; Pred. No. 1.9e-06;
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Db 600 AGAAGCAGTGGAGGAGGAGGACACCCCTCAGGAGCCCGGGAG 640

RESULT 3
US-10-209-737-1
Sequence 1, Application US/10209737
Publication No. US20030083485A1
GENERAL INFORMATION:
APPLICANT: Pfizer Inc.
APPLICANT: Milos, Patrice M.
APPLICANT: Webb, Suzin M.
TITLE OF INVENTION: NO. US20030083485A1el Variants Of The Human CYP2D6 Gene
CURRENT APPLICATION NUMBER: US/10/209,737
PRIOR FILING DATE: 2002-07-31
PRIOR APPLICATION NUMBER: US 60/309,111
PRIOR FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 9432
TYPE: DNA
ORGANISM: HOMO SAPIENS
US-10-209-737-1

Query Match 99.0%; Score 40.6; DB 9; Length 9432;
Best Local Similarity 97.6%; Pred. No. 1.9e-06;
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGAAGCAGTGGAGGAGGACACCCCTCAGGAGCCCGGGAG 41
Db 600 AGAAGCAGTGGAGGAGGAGGACACCCCTCAGGAGCCCGGGAG 640

RESULT 4
US-10-209-737-2
Sequence 2, Application US/10209737
Publication No. US20030083485A1
GENERAL INFORMATION:
APPLICANT: Pfizer Inc.
APPLICANT: Milos, Patrice M.
APPLICANT: Webb, Suzin M.
TITLE OF INVENTION: NO. US20030083485A1el Variants Of The Human CYP2D6 Gene
CURRENT APPLICATION NUMBER: US/10/209,737
CURRENT FILING DATE: 2002-07-31
PRIOR APPLICATION NUMBER: US 60/309,111
PRIOR FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 9433
TYPE: DNA
ORGANISM: HOMO SAPIENS

US-10-209-737-2

Query Match 99.0%; Score 40.6; DB 9; Length 9433;
Best Local Similarity 97.6%; Pred. No. 1.9e-06;
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 AGAAGCAGTGGAGGAGGACACCCCTCAGGAGCCCGGGAG 41
Db 600 AGAAGCAGTGGAGGAGGAGGACACCCCTCAGGAGCCCGGGAG 640

RESULT 5
US-09-864-761-25857
Sequence 25857, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharron G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Acomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 25857
LENGTH: 159
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AL035681.13
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.8
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.3

; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
; OTHER INFORMATION: NT HIT: U02972.1, EVALUE 9.20e-02
; OTHER INFORMATION: EST HUMAN HIT: BF448000.1, EVALUE 2.00e-84
; OTHER INFORMATION: SWISSPROT HIT: P16356, EVALUE 2.00e-01
US-09-864-761-25857

Query Match 60.0%; Score 24.6; DB 10; Length 159;
Best Local Similarity 73.2%; Pred. No. 2.5;
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCCGGAG 41
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DB 49 AGAAGCCCTGCTGGAGGACGACCCCTCAGGGTGCCAGGAAG 89

RESULT 6

US-09-864-761-9308

; Sequence 9308, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCE: AeonLca-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203

; PRIOR FILING DATE: 2001-01-29

; NUMBER OF SEQ ID NOS: 49117

; SOFTWARE: Annonax Sequence Listing Engine vers. 1.1

; SEQ ID NO 9308

; LENGTH: 555

; TYPE: DNA

; ORGANISM: Homo sapiens
; FEATURE:

; OTHER INFORMATION: MAP TO AL035681.13

; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.7

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 3

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.8

; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.3

; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.9

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.3

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.7
US-09-864-761-9308

Query Match 60.0%; Score 24.6; DB 10; Length 555;
Best Local Similarity 73.2%; Pred. No. 2.3;
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCCGGAG 41
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DB 298 AGAAGCCCTGCTGGAGGACGACCCCTCAGGGTGCCAGGAAG 338

RESULT 7

US-09-789-404-1/c

; Sequence 1, Application US/09789404

; Patent No. US20020025544A1

; GENERAL INFORMATION:

; APPLICANT: Khodadoust, Mehran

; TITLE OF INVENTION: NOVEL LEUCINE RICH REPEAT-CONTAINING MOLECULES AND USES THEREOF

; FILE REFERENCE: 10448/008001

; CURRENT APPLICATION NUMBER: US/09/789,404

; CURRENT FILING DATE: 2001-02-20

; PRIOR APPLICATION NUMBER: 09/456,592

; PRIOR FILING DATE: 1999-12-08

; NUMBER OF SEQ ID NOS: 30

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 2636

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (33)...(2414)

; NAME/KEY: misc_feature

; LOCATION: (1)...(2636)

; OTHER INFORMATION: n = A,T,C or G
US-09-789-404-1

Query Match 60.0%; Score 24.6; DB 10; Length 2636;

Best Local Similarity 73.2%; Pred. No. 2;

Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 AGAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCCGGAG 41
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DB 2533 AGAAGCCCTGCTGGAGGACGACCCCTCAGGGTGCCAGGAAG 2493

RESULT 8

US-10-037-270-622

; Sequence 622, Application US/10037270

; Publication No. US20030104529A1

; GENERAL INFORMATION:

; APPLICANT: Tang, Y. Tom

; APPLICANT: Liu, Chenghua

; APPLICANT: Asundi, Vinod

; APPLICANT: Zhang, Jie

; APPLICANT: Ren, Feiyan

; APPLICANT: Chen, Rui-hong

; APPLICANT: Zhao, Qing A.

; APPLICANT: Wehrman, Tom

; APPLICANT: xue, Aidong J.

; APPLICANT: Yang, Yonghong

; APPLICANT: Wang, Jian-Rui

APPLICANT: Zhou, Ping
APPLICANT: Ma, Yunqing
APPLICANT: Wang, Dunrui
APPLICANT: Wang, Zhiwei
APPLICANT: Tillinghast, John
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. US20030104529A1el Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 784CIP2B
CURRENT APPLICATION NUMBER: US/10/037,270
CURRENT FILING DATE: 2002-01-04
PRIOR APPLICATION NUMBER: 09/552,317
PRIOR FILING DATE: 2000-04-25
PRIOR APPLICATION NUMBER: 09/488,725
PRIOR FILING DATE: 2000-01-21
NUMBER OF SEQ ID NOS: 1104
SOFTWARE: pt_FL_genes Version 1.0
SEQ ID NO 622
LENGTH: 2781
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (263)..(1750)
US-10-037-270-622

Query Match 60.0%; Score 24.6; DB 9; Length 2781;
Best Local Similarity 73.2%; Pred. No. 2;
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;
Qy 1 AGAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCGGGAG 41
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Db 1569 AGAAGCCCTCGCTGGAGGAGGACCCCTCAGGTGCCAGGAG 1609

RESULT 9
US-09-764-864-490
Sequence 490, Application US/09764864
Patent No. US20020132753A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PT223
CURRENT APPLICATION NUMBER: US/09/764,864
CURRENT FILING DATE: 2001-01-17
Prior application data removed - consult PALM or file wrapper
NUMBER OF SEQ ID NOS: 1792
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 490
LENGTH: 3314
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (116)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (244)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (293)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (305)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (394)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (403)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (439)

OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (448)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (3305)
OTHER INFORMATION: n equals a,t,g, or c
NAME/KEY: SITE
LOCATION: (3311)
OTHER INFORMATION: n equals a,t,g, or c
US-09-764-864-490

Query Match 54.6%; Score 22.4; DB 10; Length 3314;
Best Local Similarity 76.5%; Pred. No. 13;
Matches 26; Conservative 1; Mismatches 7; Indels 0; Gaps 0;
Qy 3 AAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCC 36
||| | | | | | | | | | | | | | | | | | | |
Db 1888 AATGCCGAGAGGAGGAGAAACCTTCAGGCAGCCC 1921

RESULT 10
US-09-778-844-64
Sequence 64, Application US/09778844
Patent No. US20020150971A1
GENERAL INFORMATION:
APPLICANT: JOHANSEN, JEANETTE ELISABETH
APPLICANT: SCHALLING, MARTIN
TITLE OF INVENTION: NUCLEIC ACIDS AND POLYPEPTIDES FOR CONTROLLING FOOD
TITLE OF INVENTION: INTAKE AND/OR BODY WEIGHT
FILE REFERENCE: 030307/0195
CURRENT APPLICATION NUMBER: US/09/778,844
CURRENT FILING DATE: 2001-02-08
NUMBER OF SEQ ID NOS: 206
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 64
LENGTH: 1845
TYPE: DNA
ORGANISM: Unknown Organism
FEATURE:
OTHER INFORMATION: Description of Unknown Organism: Chp, EMBL No. US20020150971A1
OTHER INFORMATION: q9z1y0
US-09-778-844-64

Query Match 53.7%; Score 22; DB 10; Length 1845;
Best Local Similarity 70.0%; Pred. No. 20;
Matches 28; Conservative 1; Mismatches 11; Indels 0; Gaps 0;
Qy 2 GAAAGCAGTGGAGGAGGACRACCCCTCAGGCAGCCGGGAG 41
||| | | | | | | | | | | | | | | | | | | |
Db 1504 GACAGCTGTGGAGAGGCGGACACCTGGCTGGCCCTCGAG 1543

RESULT 11
US-10-020-141-11/C
Sequence 11, Application US/10020141
Publication No. US20030092013A1
GENERAL INFORMATION:
APPLICANT: McCarthy, Jeanette
APPLICANT: Ableson, Allen
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE
FILE REFERENCE: MMI-002
CURRENT APPLICATION NUMBER: US/10/020,141
CURRENT FILING DATE: 2001-12-14
PRIOR APPLICATION NUMBER: US 60/313,097
PRIOR FILING DATE: 2001-08-16
PRIOR APPLICATION NUMBER: US 60/327,485
PRIOR FILING DATE: 2001-10-05
NUMBER OF SEQ ID NOS: 21
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 11
LENGTH: 185695
TYPE: DNA

; ORGANISM: Homo sapiens			
US-10-020-141-11			
Query Match		53.7%;	Score 22; DB 9; Length 185695;
Best Local Similarity		78.1%;	Pred. No. 13;
Matches	25; Conservative	1; Mismatches	6; Indels 0; Gaps 0;
Qy	1 AGAAGCAGTGTGGAGGACACRACCCCTCAGGCA 32		
Db	18748 AAAAGCAGTGTGGAGGCCACCCCTAAGGTA 18717		
RESULT 12			
US-10-017-721-1/c			
; Sequence 1, Application US/10017721			
; Publication No. US20030096248A1			
; GENERAL INFORMATION:			
; APPLICANT: McCarthy, Jeanette			
; APPLICANT: Daley, George			
; APPLICANT: Bolk, Stacey			
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE			
; FILE REFERENCE: MMI-003			
; CURRENT APPLICATION NUMBER: US/10/017,721			
; CURRENT FILING DATE: 2001-12-14			
; PRIOR APPLICATION NUMBER: US 60/317,033			
; PRIOR FILING DATE: 2001-09-04			
; PRIOR APPLICATION NUMBER: US 60/330,248			
; PRIOR FILING DATE: 2001-10-17			
; NUMBER OF SEQ ID NOS: 13			
; SOFTWARE: FastSeq for Windows Version 4.0			
; SEQ ID NO 1			
; LENGTH: 185695			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-10-017-721-1			
Query Match			
Best Local Similarity			
Matches			
Qy	1 AGAAGCAGTGTGGAGGACACRACCCCTCAGGCA 32		
Db	18748 AAAAGCAGTGTGGAGGCCACCCCTAAGGTA 18717		
RESULT 13			
US-09-864-761-18173			
; Sequence 18173, Application US/09864761			
; Patent No. US20020048763A1			
; GENERAL INFORMATION:			
; APPLICANT: Penn, Sharron G.			
; APPLICANT: Rank, David R.			
; APPLICANT: Hanzel, David K.			
; APPLICANT: Chen, Wensheng			
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR			
; FILE REFERENCE: Aemica-X-1			
; CURRENT APPLICATION NUMBER: US/09/864,761			
; CURRENT FILING DATE: 2001-05-23			
; PRIOR APPLICATION NUMBER: US 60/180,312			
; PRIOR FILING DATE: 2000-02-04			
; PRIOR APPLICATION NUMBER: US 60/207,456			
; PRIOR FILING DATE: 2000-05-26			
; PRIOR APPLICATION NUMBER: US 09/632,366			
; PRIOR FILING DATE: 2000-08-03			
; PRIOR APPLICATION NUMBER: GB 24263.6			
; PRIOR FILING DATE: 2000-10-04			
; PRIOR APPLICATION NUMBER: US 60/236,359			
; PRIOR FILING DATE: 2000-09-27			
; PRIOR APPLICATION NUMBER: PCT/US01/006666			
; PRIOR FILING DATE: 2001-01-30			
; PRIOR APPLICATION NUMBER: PCT/US01/006667			
; PRIOR FILING DATE: 2001-01-30			

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; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 19007
; LENGTH: 195
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AP000351.2
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 10
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 8.4
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.4
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.3
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 3.6
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 7.3
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.9
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.9
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 12
; OTHER INFORMATION: SWISSPROT HIT: P30711, EVALUE 5.00e-33
; OTHER INFORMATION: EST_HUMAN HIT: AI281103.1, EVALUE 1.00e-106
; OTHER INFORMATION: NT HIT: g14504184, EVALUE 1.00e-106
US-09-864-761-19007
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Query Match          53.2%; Score 21.8; DB 10; Length 195;
Best Local Similarity 70.7%; Pred. No. 28;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
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QY      1  AGAAGCAGTGGGAGGAGGACACCTCAGGAGCCCGGGGAG 41
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Db      128 AGGCAGCAGTGGGAGGAGGACCTCTTCCAGGAGGCCCATGAG 88
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RESULT 15

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US-09-876-889-223
; Sequence 223, Application US/09876889
; Patent No. US20020076715A1
; GENERAL INFORMATION:
; APPLICANT: Benson, Darin R.
; APPLICANT: Lodes, Michael J.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: King, Gordon E.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR OVARIAN
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; TITLE OF INVENTION: CANCER THERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.466C3
; CURRENT APPLICATION NUMBER: US/09/876,889
; CURRENT FILING DATE: 2001-06-06
; NUMBER OF SEQ ID NOS: 353
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 223
; LENGTH: 432
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-876-889-223

Query Match          53.2%; Score 21.8; DB 10; Length 432;
Best Local Similarity 70.7%; Pred. No. 26;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY      1  AGAAGCAGTGGGAGGAGGACACCTCAGGAGCCCGGGGAG 41
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Db      332 AGGCAGCAGTGGGAGGAGGACCTCTTCCAGGAGGCCCATGAG 372
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Search completed: June 14, 2003, 13:09:04
Job time : 13.8828 secs
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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 09:27:43 ; Search time 10.8828 Seconds
(without alignments)
5455.418 Million cell updates/sec

Title: US-09-942-310-2_COPY_860_900
Perfect score: 41
Sequence: 1 ggtgagagagaatgtgtgc.....ctaagtgtcagtgtagtct 41

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications_NA:
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2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:
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6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:
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9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:
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11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:
12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	40.6	99.0	1680	9	US-09-942-310-2
2	40.6	99.0	9432	9	US-09-942-310-1
3	40.6	99.0	9432	9	US-10-209-737-1
4	40.6	99.0	9432	9	US-10-209-737-2
5	24.6	60.0	157875	9	US-09-935-464-1
6	24.6	60.0	157875	9	US-10-125-835-1
7	22	53.7	1040	10	US-09-962-436-276
8	22	53.7	1078	9	US-10-114-893-25
9	22	53.7	7599	9	US-09-764-891-6850
10	21.8	53.2	485	10	US-09-864-761-2538
11	21.4	52.2	895	9	US-09-764-891-5489
12	21.4	52.2	74868	9	US-10-175-523-67
13	21.4	52.2	659158	9	US-09-771-208-20
14	21.4	52.2	659158	9	US-09-771-208-20
15	21.2	51.7	185348	9	US-10-175-523-62
16	21	51.2	339	10	US-09-867-701-8075
17	21	51.2	479	9	US-09-764-891-53
18	21	51.2	1540	10	US-09-393-634-8
19	21	51.2	3449	9	US-09-510-332-84

20 20 51.2 5208 9 US-10-180-903-1
21 20.8 10351 10 US-09-874-470-5
22 20.6 303 9 US-10-040-739-1149
c 23 20.6 3980 9 US-09-949-842-6
24 20.6 20530 9 US-09-764-891-8252
c 25 20.4 49.8 2331 10 US-09-764-877-3691
26 20.4 49.8 10828 10 US-09-942-325A-2
27 20.4 49.8 13329 10 US-09-942-325A-1
28 20.4 49.8 111282 12 US-10-094-989-3
29 20.2 49.3 513 10 US-09-864-761-7320
30 20.2 49.3 1103 10 US-09-778-844-52
c 31 20.2 49.3 7221 9 US-10-072-349-234
32 20.2 49.3 26668 10 US-09-764-855-234
c 33 20.2 49.3 119596 9 US-10-270-336-3
34 20.2 49.3 122186 9 US-09-563-728A-36
35 20.2 49.3 155074 9 US-10-026-188-6
c 37 20.2 49.3 158405 9 US-10-175-523-86
c 38 20.2 49.3 302250 10 US-09-962-832-154
c 39 20 48.8 172 10 US-09-864-761-30737
c 40 20 48.8 278 10 US-09-878-574-2820
41 20 48.8 465 10 US-09-867-701-7039
c 42 20 48.8 499 10 US-09-864-761-14184
c 43 20 48.8 608 10 US-09-878-574-531
44 20 48.8 1195 9 US-10-102-806-6
45 20 48.8 6322 10 US-09-917-800A-1546

ALIGNMENTS

RESULT 1
US-09-942-310-2
; Sequence 2, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaisson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms
; FILE REFERENCE: GG119.1US
; CURRENT APPLICATION NUMBER: US/09/942,310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1680
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-942-310-2

Query Match 99.0% Score 40.6; DB 9; Length 1680;
Best Local Similarity 100.0%; Pred. No. 1.4e-07;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTGTGAGAGAGATGTGTGCYCTAAGTGTGAGTGTGAGTCT 41
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Db 860 GTGTGAGAGAGATGTGTGCYCTAAGTGTGAGTGTGAGTCT 900

RESULT 2
US-09-942-310-1
; Sequence 1, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaisson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

FILE REFERENCE: GGL119.1US
CURRENT APPLICATION NUMBER: US/09/942,310
CURRENT FILING DATE: 2001-08-29
PRIOR APPLICATION NUMBER: GB 0021286.0
PRIOR FILING DATE: 2000-08-30
NUMBER OF SEQ ID NOS: 77
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 9432
TYPE: DNA
ORGANISM: homo sapiens
US-09-942-310-1

Query Match 99.0%; Score 40.6; DB 9; Length 9432;
Best Local Similarity 97.6%; Pred. No. 2e-07;
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGTCT 41
|||||
DB 860 GTGTGAGAGAGAAATGTGTCCTTAAGTGTCAAGTGTGAGTCT 900

RESULT 3

US-10-209-737-1
Sequence 1, Application US/10209737
Publication No. US20030083485A1
GENERAL INFORMATION:
APPLICANT: Pfizer Inc.
APPLICANT: Milos, Patrice M.
APPLICANT: Webb, Suzin M.
TITLE OF INVENTION: NO. US20030083485A1el Variants Of The Human CYP2D6 Gene
FILE REFERENCE: PC11033AGPR
CURRENT APPLICATION NUMBER: US/10/209,737
CURRENT FILING DATE: 2002-07-31
PRIOR APPLICATION NUMBER: US 60/309,111
PRIOR FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 9432
TYPE: DNA
ORGANISM: HOMO SAPIENS
US-10-209-737-1

Query Match 99.0%; Score 40.6; DB 9; Length 9432;
Best Local Similarity 97.6%; Pred. No. 2e-07;
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGTCT 41
|||||
DB 860 GTGTGAGAGAGAAATGTGTCCTTAAGTGTCAAGTGTGAGTCT 900

RESULT 4

US-10-209-737-2
Sequence 2, Application US/10209737
Publication No. US20030083485A1
GENERAL INFORMATION:
APPLICANT: Pfizer Inc.
APPLICANT: Milos, Patrice M.
APPLICANT: Webb, Suzin M.
TITLE OF INVENTION: NO. US20030083485A1el Variants Of The Human CYP2D6 Gene
FILE REFERENCE: PC11033AGPR
CURRENT APPLICATION NUMBER: US/10/209,737
CURRENT FILING DATE: 2002-07-31
PRIOR APPLICATION NUMBER: US 60/309,111
PRIOR FILING DATE: 2001-07-31
NUMBER OF SEQ ID NOS: 2
SOFTWARE: PatentIn version 3.1
SEQ ID NO 2
LENGTH: 9433
TYPE: DNA
ORGANISM: HOMO SAPIENS

US-10-209-737-2

Query Match 99.0%; Score 40.6; DB 9; Length 9433;
Best Local Similarity 97.6%; Pred. No. 2e-07;
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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|||||
DB 860 GTGTGAGAGAGAAATGTGTCCTTAAGTGTCAAGTGTGAGTCT 900

RESULT 5

US-09-935-464-1/c
Sequence 1, Application US/09935464
Publication No. US20030027153A1
GENERAL INFORMATION:
APPLICANT: Meyer, Joanne
APPLICANT: Barrington-Martin, Rory
APPLICANT: Parker, Alexander
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING NEUROPSYCH
TITLE OF INVENTION: DISORDERS SUCH AS SCHIZOPHRENIA
FILE REFERENCE: 3322/1H702 US1
CURRENT APPLICATION NUMBER: US/09/935,464
CURRENT FILING DATE: 2001-08-23
PRIOR APPLICATION NUMBER: US 09/757,300
PRIOR FILING DATE: 2001-01-09
NUMBER OF SEQ ID NOS: 90
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 157875
TYPE: DNA
ORGANISM: Homo sapiens
US-09-935-464-1

Query Match 60.0%; Score 24.6; DB 9; Length 157875;
Best Local Similarity 73.2%; Pred. No. 1.9;
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGTCT 41
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DB 63825 GTGTGAGTGTATATGTCCTCTGTGTATGTGTGAGTCT 63785

RESULT 6

US-10-125-835-1/c
Sequence 1, Application US/10125835
Publication No. US20030092019A1
GENERAL INFORMATION:
APPLICANT: Meyer, Joanne
APPLICANT: Barrington-Martin, Rory
APPLICANT: Parker, Alexander
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING
TITLE OF INVENTION: NEUROPSYCHIATRIC
TITLE OF INVENTION: DISORDERS SUCH AS SCHIZOPHRENIA
FILE REFERENCE: 3322/0H702 US0
CURRENT APPLICATION NUMBER: US/10/125,835
CURRENT FILING DATE: 2002-04-19
PRIOR APPLICATION NUMBER: US/09/757,300
PRIOR FILING DATE: 2001-01-09
NUMBER OF SEQ ID NOS: 50
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1
LENGTH: 157875
TYPE: DNA
ORGANISM: Homo sapiens
US-10-125-835-1

Query Match 60.0%; Score 24.6; DB 9; Length 157875;
Best Local Similarity 73.2%; Pred. No. 1.9;
Matches 30; Conservative 1; Mismatches 10; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTGTCYCTAAGTGTCAAGTGTGAGTCT 41
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Query Match      53.78; Score 22; DB 9; Length 1078;
Best Local Similarity 70.00; Pred. No. 8.9;
Matches 28; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

Qy  2  TGTGAGAGAGAAATGTGTCYCTAAGTCTCAGTGTGAGTCT 41
Db  321 TTTGAGAGAGAGTGTGGCCCTAAACACAGATGGGAGACT 282

```

RESULT 10
US-09-864-761-2538/c
Sequence 2538, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Shazron G.
APPLICANT: Rank, David R. K.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEOTIDE SEQUENCES AND METHODS OF ANALYSIS BY MICROARRAY
FILE REFERENCE: Aeomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 2538
; LENGTH: 485
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL035665.22
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2.2
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.89
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 6.7
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 10
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 15
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HEPA, SIGNAL = 4.6
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.4
US-09-864-761-2538

Query Match      53.2%; Score 21.8; DB 10; Length 485;
Best Local Similarity 70.7%; Pred. No. 9.2;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTCGTCYCTAAGTGTCAAGTGTGAGTCT 41
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 231 GCGTGTGTGTCATGTGTGTACTGTGTGTGAGTGTGTGTGT 191

RESULT 11
US-09-764-891-5489/c
; Sequence 5489, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5489
; LENGTH: 895
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-5489

Query Match      52.2%; Score 21.4; DB 9; Length 895;
Best Local Similarity 68.3%; Pred. No. 15;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTCGTCYCTAAGTGTCAAGTGTGAGTCT 41
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 551 GAGTGAGAGAAACTATTGCTCTGTGTGTGTGTGTGTGTGT 511

RESULT 12
US-10-175-523-67/c

; Sequence 67, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 67
; LENGTH: 74868
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-175-523-67

Query Match      52.2%; Score 21.4; DB 9; Length 74868;
Best Local Similarity 71.8%; Pred. No. 37;
Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

QY 1 GTGTGAGAGAGAAATGTCGTCYCTAAGTGTCAAGTGTGAGTCT 39
    ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 23687 GTGTGTGTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 23649

RESULT 13
US-09-771-208-20
; Sequence 20, Application US/09771208
; Patent No. US20020155564A1
; GENERAL INFORMATION:
; APPLICANT: MEDRANO, JUAN
; APPLICANT: BRADFORD, ERIC
; APPLICANT: HORVAT, SIMON
; TITLE OF INVENTION: CLONING OF A HIGH-GROWTH GENE
; FILE REFERENCE: 407T-923710US
; CURRENT APPLICATION NUMBER: US/09/771,208
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: US 08/999,477
; PRIOR FILING DATE: 1997-12-29
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 659158
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (123459)..(123478)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (602466)..(602485)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (546998)..(547017)
; OTHER INFORMATION: n is unidentified a, c, g, or t
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: NAME/KEY: misc_feature
: LOCATION: (390986)..(391005)
: OTHER INFORMATION: n is unidentified a, c, g, or t
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: NAME/KEY: misc_feature
: LOCATION: (346860)..(346823)
: OTHER INFORMATION: n is unidentified a, c, g, or t
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: NAME/KEY: misc_feature
: LOCATION: (317174)..(317193)
: OTHER INFORMATION: n is unidentified a, c, g, or t
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: LOCATION: (280353)..(280373)
: OTHER INFORMATION: n is unidentified a, c, g, or t
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: NAME/KEY: misc_feature
: LOCATION: (271829)..(271848)
: OTHER INFORMATION: n is unidentified a, c, g, or t
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: NAME/KEY: misc_feature
: LOCATION: (193872)..(193891)
: OTHER INFORMATION: n is unidentified a, c, g, or t
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: NAME/KEY: misc_feature
: LOCATION: (170625)..(170645)
: OTHER INFORMATION: n is unidentified a, c, g, or t
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: NAME/KEY: misc_feature
: LOCATION: (132680)..(132700)
: OTHER INFORMATION: n is unidentified a, c, g, or t
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: NAME/KEY: misc_feature
: OTHER INFORMATION: n is a, c, g, or t
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: US-09-771-208-20

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; OTHER INFORMATION: n is a, c, g, or t
US-09-771-208-20

Query Match          52.2%; Score 21.4; DB 9; Length 659158;
Best Local Similarity 68.3%; Pred. No. 57;
Matches 28; Conservative 1; Mismatches 12; Indels 0; Gaps 0;

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[illegible]

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RESULT 15
US-10-175-523-62/c
; Sequence 62, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH
; FILE REFERENCE: 3355/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 62
; LENGTH: 185548
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-175-523-62

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Job time : 16.8829 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 09:27:43 ; Search time 10.8828 Seconds
(without alignments)
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Title: US-09-942-310-2_COPY_920_960
Perfect score: 41
Sequence: 1 cttgtgtgggattttct.....crtgtgaatcgtgtccctg 41

Scoring table: IDENTITY_NUC

Gapop 10.0 ; Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:
13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:
14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	40.6	99.0	1680	9	US-09-942-310-2
2	40.6	99.0	9432	9	US-09-942-310-1
3	40.6	99.0	9432	9	US-10-209-737-1
4	40.6	99.0	9433	9	US-10-209-737-2
5	24.2	59.0	85548	9	US-10-175-523-75
6	23.6	57.6	2299	9	US-09-822-846-431
7	23	56.1	500	10	US-09-917-800A-26
8	22	53.7	366	9	US-10-079-623-7
9	22	53.7	5629	9	US-10-092-154-1162
10	22	53.7	5629	10	US-09-764-847-1162
11	22	53.7	6265	10	US-10-092-154-1161
12	22	53.7	6265	10	US-09-764-847-1161
13	22	53.7	203654	10	US-09-820-905-3
14	21.8	53.2	5591	9	US-10-091-483-309
15	21.8	53.2	5591	10	US-09-764-846-309
16	21.6	52.7	539	10	US-09-864-761-12977
17	21.6	52.7	769	9	US-10-198-846-10835
18	21.6	52.7	13606	9	US-10-239-676-166
19	21.6	52.7	32221	9	US-09-764-872-663

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20 21.6 52.7 116592 10 US-09-818-512-3 Sequence 3, Appli
c 21 21.6 52.7 157875 9 US-09-935-464-1 Sequence 1, Appli
c 22 21.6 52.7 157875 9 US-10-125-835-1 Sequence 1, Appli
c 23 21.4 52.2 484 10 US-09-864-761-1146 Sequence 1146, Ap
c 24 21.4 52.2 803 9 US-09-910-009A-134 Sequence 134, App
c 25 21.4 52.2 8894 9 US-10-092-154-1606 Sequence 1606, Ap
c 26 21.4 52.2 8894 10 US-09-764-847-1606 Sequence 1606, Ap
c 27 21.4 52.2 22118 9 US-09-799-462A-16 Sequence 16, Appl
c 28 21.4 52.2 22118 9 US-10-125-767-16 Sequence 16, Appl
c 29 21.4 52.2 22118 9 US-09-815-981-5 Sequence 5, Appli
c 30 21.4 52.2 22118 9 US-09-836-911A-16 Sequence 16, Appli
c 31 21.4 52.2 22118 9 US-09-815-979-5 Sequence 5, Appli
c 32 21.4 52.2 22118 9 US-10-151-081-16 Sequence 16, Appli
c 33 21.4 52.2 22118 9 US-10-287-313-16 Sequence 16, Appli
c 34 21.4 52.2 659158 9 US-09-771-208-20 Sequence 20, Appli
c 35 21.2 51.7 73308 10 US-09-954-456-2276 Sequence 2276, Ap
c 36 21.2 51.7 225883 9 US-10-175-523-57 Sequence 57, Appli
c 37 21 51.2 243 10 US-09-880-107-3478 Sequence 58, Appli
c 38 21 51.2 328 9 US-09-835-976B-58 Sequence 350, Ap
c 39 21 51.2 361 9 US-09-796-692-3950 Sequence 3950, Ap
c 40 21 51.2 361 9 US-10-040-862-3950 Sequence 7571, Ap
c 41 21 51.2 398 10 US-09-867-701-7571 Sequence 12098, A
c 42 21 51.2 463 9 US-09-918-995-12098 Sequence 12111, A
c 43 21 51.2 465 9 US-10-198-846-12111 Sequence 32811, A
c 44 21 51.2 476 9 US-09-918-995-32811 Sequence 3999, Ap
c 45 21 51.2 528 9 US-09-796-692-3999

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ALIGNMENTS

RESULT 1
US-09-942-310-2
; Sequence 2, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaisson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms
; FILE REFERENCE: GG119.1US
; CURRENT APPLICATION NUMBER: US/09/942.310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-942-310-2

Query Match 99.08; Score 40.6; DB 9; Length 1680;
Best Local Similarity 100.0%; Pred. No. 1.7e-06;
Matches 41; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 CTTTGTGTGGTGATTTTCGTCRTGTGTAATCGTGTCCTG 41
      |||||
Db 920 CTTTGTGTGGTGATTTTCGTCRTGTGTAATCGTGTCCTG 960

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RESULT 2
US-09-942-310-1
; Sequence 1, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaisson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

```

; FILE REFERENCE: Gg19.1US
; CURRENT APPLICATION NUMBER: US/09/942.310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-942.310-1

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Query Match 99.0%; Score 40.6; DB 9; Length 9432;
Best Local Similarity 97.6%; Pred. No. 2.4e-06;
Matches 40; Conservative 1; Mismatches 0; Indels 0

Qy 1 CTTTGTGGGTGATTTTCTGCTGTGTAATCGTGCCCTG 41
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 Db 920 CTTTGTGGGTGATTTTCTGCGGTGTGTAATCGTGCCCTG 960

RESULT 3

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US-10-209-737-1
; Sequence 1, Application US/10209737
; Publication No. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: NO. US20030083485A1e1 Variants Of The Human Cyp2d6 Gene
; FILE REFERENCE: PC11033Ager
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
US-10-209-737-1

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Query Match 99.0%; Score 40.6; DB 9; Length 9432;
Best Local Similarity 97.6%; Pred. No. 2.4e-06;
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 CTTTGTGGGTGATTTCTGCTGTGTAATCGTGTCCTCG 41
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920 CTTTGTGGGTGATTTCTGCGTGTGTAATCGTGTCCTCG 960
Db

RESULT 4

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US-10-209-737-2
; Sequence 2, Application US/10209737
; Publication NO. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: NO. US20030083485A1el Variants Of The Human CYP2D6 Gene
; FILE REFERENCE: PC11033AqPR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 9433
; TYPE: DNA
; ORGANISM: HOMO SAPIENS

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US-10-209-737-2

Query Match	99.08;	Score 40.6;	DB 9;	Length 9433;
Best Local Similarity	97.6%;	Pred. No. 2.4e-06;		
Matches 40;	Conservative 1;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	CTTTGTGCGGTGATTTTTCGRTGTGTAATCGTGCCCTG	41	
Dd	920	CTTTGTGCGGTGATTTTTCGCGTGTGAATCGTGCCCTG	960	

RESULT 5

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US-10-175-523-75
; Sequence 75, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi

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: TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
:
: FILE REFERENCE: 3235/1J795-US3
: CURRENT APPLICATION NUMBER: US/10/175,523
: CURRENT FILING DATE: 2002-06-18
: PRIOR APPLICATION NUMBER: US 60/299,151
: PRIOR FILING DATE: 2001-06-18
: PRIOR APPLICATION NUMBER: US 60/317,828
: PRIOR FILING DATE: 2001-09-07
: PRIOR APPLICATION NUMBER: US 60/325,150
: PRIOR FILING DATE: 2001-09-25
: PRIOR APPLICATION NUMBER: US 60/333,047
: PRIOR FILING DATE: 2001-11-14
: PRIOR APPLICATION NUMBER: US 60/349,936
: PRIOR FILING DATE: 2002-01-18
: PRIOR APPLICATION NUMBER: US 60/361,834
: PRIOR FILING DATE: 2002-03-04
: NUMBER OF SEQ ID NOS: 197
: SOFTWARE: patentIn version 3.1
: SEQ ID NO 75
: LENGTH: 85548
: TYPE: DNA
: ORGANISM: Mus musculus
US-10-175-523-75

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Query Match 59.0%; Score 24.2; DB 9; Length 85348;
Best Local Similarity 74.4%; Pred. No. 11;
Matches 29; Conservative 1; Mismatches 9; Indels 0; Gaps 0;

Qy 2 TTTGTGGGGTGATTTTCTGCTGTGTAATCGTGCCCT 40
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Db 58751 TGTGTGTGTGTATGTGTGTGTGTAATGTTGCCCT 58789

RESULT 6

US-90-822-846-431
 / Sequence 431, Application US/09822846
 / Publication No. US20030027139A1
 / GENERAL INFORMATION:
 / APPLICANT: Jacobs, Kenneth
 / APPLICANT: McCoy, John M.
 / APPLICANT: Lavallie, Edward R.
 / APPLICANT: Collins-Racie, Lisa A.
 / APPLICANT: Evans, Cheryl
 / APPLICANT: Merberg, David
 / APPLICANT: Treacy, Maurice
 / APPLICANT: Agostino, Michael J.
 / APPLICANT: Steininger II, Robert J.
 / APPLICANT: Bowman, Michael R.
 / APPLICANT: Spaulding, Vikki
 / APPLICANT: Wong, Gordon G.

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; FILE REFERENCE: 11000-1044C3
; CURRENT APPLICATION NUMBER: US-10-079,623
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7
; LENGTH: 366
; TYPE: DNA
; ORGANISM: Bovine
US-10-079-623-7

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US-10-079-823-7
Query Match          53.7%; Score 22; DB 9; Length 366;
Best Local Similarity 70.0%; Pred. No. 25;
Matches 28; Conservative 1; Mismatches 11; Indels

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Db      99  TTGTGTGTGTGACTGTGCGTGTGTATAGATGCGCTGTG 138

RESULT 9
US-10-092-154-1162
; Sequence 1162, Application US/10092154
; Publication No. US20030054375A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009C1
; CURRENT APPLICATION NUMBER: US/10/092,154
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2003
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1162
; LENGTH: 5629
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-092-154-1162

Query Match          53.7%; Score 22; DB 9; Length 5629;
Best Local Similarity 70.0%; Pred. No. 44;
Matches 28; Conservative 1; Mismatches 11; Indels

QY      2  TTGTGTGGGGGATTTCTGCGTGTGTAATCGTGCCCTG 41
      ||||| |||| |||| |||| |||| |||| |||| ||||
Db      3904  TGTGTGTAGGTGTGCATGTGCGTGTGTTTGTGTGTCCTG 3943

RESULT 10
US-09-764-847-1162
; Sequence 1162, Application US/09764847
; Patent No. US20020132767A1
; GENERAL INFORMATION:

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Job time : 13.8828 secs



GenCore version 5.1.6
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 14, 2003, 09:27:43 ; Search time 10.8828 Seconds
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Title: US-09-942-310-2_COPY_175_215
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Sequence: 1 cctatctctactgaaatay.....aaaagctagcgtggtggca 41

Scoring table: IDENTITY_NUC
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Searched: 1029858 seqs, 724030393 residues

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Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
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- 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	40.6	99.0	1680	9	US-09-942-310-2
2	40.6	99.0	9432	9	US-09-942-310-1
3	40.6	99.0	9432	9	US-10-209-737-1
4	40.6	99.0	9433	9	US-10-209-737-2
5	31.6	77.1	9704	12	US-10-109-860-3
6	31	75.6	2295	9	US-09-764-891-7825
7	31	75.6	31730	10	US-09-764-877-3810
8	31	75.6	167343	10	US-09-962-436-281
9	31	75.6	167343	10	US-09-964-824A-273
10	30.6	74.6	264	9	US-09-764-891-8680
11	30	73.2	19315	9	US-10-091-438-245
12	29.4	71.7	7032	9	US-09-974-298-124
13	29.4	71.7	10514	10	US-09-764-877-3470
14	29.4	71.7	88191	10	US-09-799-799-3
15	27.8	67.8	348	9	US-09-764-872-830
16	27.8	67.8	919	9	US-10-198-846-1649
17	27.8	67.8	2005	9	US-10-198-846-10956
18	27.8	67.8	3941	9	US-10-091-504-2372
19	27.8	67.8	3941	10	US-09-764-869-2372

20 27.8 67.8 12822 9 US-10-092-154-1579 Sequence 1579, Ap
21 27.8 67.8 12822 10 US-09-764-847-1579 Sequence 1579, Ap
22 27.8 67.8 48763 9 US-10-282-048-3 Sequence 3, Appl1
c 23 27.8 67.8 51719 10 US-09-918-686-2 Sequence 2, Appl1
24 27.8 67.8 76798 10 US-09-880-107-3949 Sequence 3949, Ap
c 25 27.8 67.8 92139 10 US-09-918-686-1 Sequence 1, Appl1
c 26 27.4 66.8 12436 9 US-09-764-891-7668 Sequence 7668, Ap
c 27 27.4 66.8 18860 10 US-09-764-877-2317 Sequence 2317, Ap
c 28 27.4 66.8 45839 12 US-10-025-187-3 Sequence 3, Appl1
c 29 27.4 66.8 84539 10 US-09-962-436-36 Sequence 36, Appl1
c 30 26.8 65.4 4359 10 US-09-764-864-1717 Sequence 1717, Ap
c 31 26.8 65.4 5310 9 US-10-037-270-623 Sequence 623, App
c 32 26.6 64.9 344 9 US-09-803-719-4 Sequence 4, Appl1
c 33 26.6 64.9 461 10 US-09-867-701-8502 Sequence 8502, Ap
c 34 26.6 64.9 471 9 US-09-918-995-2503 Sequence 2503, Ap
c 35 26.6 64.9 483 9 US-09-918-995-35196 Sequence 35196, A
c 36 26.6 64.9 541 9 US-09-918-995-14751 Sequence 14751, A
c 37 26.6 64.9 1060 10 US-09-764-877-2730 Sequence 2730, Ap
c 38 26.6 64.9 2092 9 US-10-091-504-1930 Sequence 1930, Ap
c 39 26.6 64.9 2092 10 US-09-764-869-1930 Sequence 1930, Ap
c 40 26.6 64.9 3734 10 US-09-764-853-862 Sequence 862, App
c 41 26.6 64.9 4319 9 US-09-764-891-8382 Sequence 8382, App
c 42 26.6 64.9 5375 10 US-09-880-107-2292 Sequence 2292, Ap
c 43 26.6 64.9 7703 9 US-10-073-961-415 Sequence 415, App
c 44 26.6 64.9 7703 9 US-10-073-961-456 Sequence 456, App
c 45 26.6 64.9 7703 10 US-09-764-887-415 Sequence 415, App

ALIGNMENTS

RESULT 1
US-09-942-310-2
; Sequence 2, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaiasson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms
; FILE REFERENCE: GG119.1US
; CURRENT APPLICATION NUMBER: US/09/942,310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1680
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-942-310-2

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Db 175 CCTATCTCTACTGAAATATAYAAAAAGCTAGACGTGGTGCA 215

RESULT 2
US-09-942-310-1
; Sequence 1, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaiasson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

; FILE REFERENCE: GG119.1US
; CURRENT APPLICATION NUMBER: US/09/942.310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: homo sapiens
; US-09-942-310-1

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Best Local Similarity 97.6%; Pred. No. 1.1e-05;
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Db 175 CCTATCTCTACTGAAATACAAAAAGCTAGACGTGGTGGCA 215

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US-10-209-737-1
; Sequence 1, Application US/10209737
; Publication No. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: No. US20030083485A1e1 Variants Of The Human CYP2D6 Gene
; FILE REFERENCE: PC11033AGPR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
; US-10-209-737-1

Query Match 99.0%; Score 40.6; DB 9; Length 9432;
Best Local Similarity 97.6%; Pred. No. 1.1e-05;
Matches 40; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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Db 175 CCTATCTCTACTGAAATACAAAAAGCTAGACGTGGTGGCA 215

RESULT 4

US-10-209-737-2
; Sequence 2, Application US/10209737
; Publication No. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: No. US20030083485A1e1 Variants Of The Human CYP2D6 Gene
; FILE REFERENCE: PC11033AGPR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
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US-10-209-737-2

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Best Local Similarity 97.6%; Pred. No. 1.1e-05;
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; Sequence 3, Application US/10109860
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; GENERAL INFORMATION:
; APPLICANT: SHAO, Wei et al.
; TITLE OF INVENTION: ISOLATED HUMAN AMINOACYLASE, NUCLEIC
; FILE REFERENCE: CL001179DIV
; CURRENT APPLICATION NUMBER: US/10/109,860
; CURRENT FILING DATE: 2002-04-01
; PRIOR APPLICATION NUMBER: 09/814,951
; PRIOR FILING DATE: 2001-03-23
; NUMBER OF SEQ ID NOS: 14
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; US-10-109-860-3

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RESULT 6

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; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
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; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-764-891-7825

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RESULT 7

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; Patent No. US20020147140A1

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; PRIOR APPLICATION NUMBER: 60/225,757
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; PRIOR FILING DATE: 2000-09-14
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; PRIOR APPLICATION NUMBER: 60/232,081
; PRIOR FILING DATE: 2000-09-08

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; NUMBER OF SEQ ID NOS: 957

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; SEQ ID NO 830
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; ORGANISM: Homo sapiens
US-09-764-872-830
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GenCore version 5.1.6
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- 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	50.6	99.2	1680	9	US-09-942-310-2
2	50.6	99.2	9432	9	US-09-942-310-1
3	50.6	99.2	9432	9	US-10-209-737-1
4	50.6	99.2	9433	9	US-10-209-737-2
5	42.6	83.5	401	9	US-09-946-807-952
6	42.6	83.5	401	10	US-09-795-668-952
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c 27	41	80.4	317	9	US-09-764-891-355	Sequence 22, Appl
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ALIGNMENTS

RESULT 1
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; Sequence 2, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaisson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms
; FILE REFERENCE: GGI19.LUS
; CURRENT APPLICATION NUMBER: US/09/942,310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1680
; TYPE: DNA
; ORGANISM: homo sapiens
; US-09-942-310-2

Query Match 99.2%; Score 50.6; DB 9; Length 1680;
Best Local Similarity 100.0%; Pred. No. 3.2e-10;
Matches 51; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 TCAAGACCGCCTGGACAACTTGGAGAACCGGTCTCTACAAAAATACA 51
|||||
Db 5 TCAAGACCGCCTGGACAACTTGGAGAACCGGTCTCTACAAAAATACA 55

RESULT 2
US-09-942-310-1
; Sequence 1, Application US/09942310
; Publication No. US20030044797A1
; GENERAL INFORMATION:
; APPLICANT: Risinger, Carl
; APPLICANT: Andersson, Maria K.
; APPLICANT: Lewander, Tommy
; APPLICANT: Olaisson, Erik
; TITLE OF INVENTION: Detection of CYP2D6 Polymorphisms

```

; FILE REFERENCE: GGI19.1US
; CURRENT APPLICATION NUMBER: US/09/942,310
; CURRENT FILING DATE: 2001-08-29
; PRIOR APPLICATION NUMBER: GB 0021286.0
; PRIOR FILING DATE: 2000-08-30
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: homo sapiens
US-09-942-310-1

Query Match      99.2%; Score 50.6; DB 9; Length 9432;
Best Local Similarity 98.0%; Pred. No. 4.6e-10;
Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 5 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 55

RESULT 3
US-10-209-737-1
; Sequence 1, Application US/10209737
; Publication No. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: No. US20030083485A1 Variants Of The Human CYP2D6 Gene
; FILE REFERENCE: PC11033AGPR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 9432
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
US-10-209-737-1

Query Match      99.2%; Score 50.6; DB 9; Length 9432;
Best Local Similarity 98.0%; Pred. No. 4.6e-10;
Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 5 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 55

RESULT 4
US-10-209-737-2
; Sequence 2, Application US/10209737
; Publication No. US20030083485A1
; GENERAL INFORMATION:
; APPLICANT: Pfizer Inc.
; APPLICANT: Milos, Patrice M.
; APPLICANT: Webb, Suzin M.
; TITLE OF INVENTION: No. US20030083485A1 Variants Of The Human CYP2D6 Gene
; FILE REFERENCE: PC11033AGPR
; CURRENT APPLICATION NUMBER: US/10/209,737
; CURRENT FILING DATE: 2002-07-31
; PRIOR APPLICATION NUMBER: US 60/309,111
; PRIOR FILING DATE: 2001-07-31
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 9433
; TYPE: DNA
; ORGANISM: HOMO SAPIENS

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US-10-209-737-2

Query Match      99.2%; Score 50.6; DB 9; Length 9433;
Best Local Similarity 98.0%; Pred. No. 4.6e-10;
Matches 50; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 5 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 55

RESULT 5
US-09-946-807-952/c
; Sequence 952, Application US/09946807
; Patent No. US20020165144A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinthorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/946,807
; CURRENT FILING DATE: 2001-09-05
; PRIOR APPLICATION NUMBER: US/09/795,668
; PRIOR FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 952
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-946-807-952

Query Match      83.5%; Score 42.6; DB 9; Length 401;
Best Local Similarity 88.2%; Pred. No. 3.1e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 84 TCAAGACCAGCCTGGACAACATGGAAAAACCCCTGTCTCTACAAAAAATACA 34

RESULT 6
US-09-795-668-952/c
; Sequence 952, Application US/09795668
; Patent No. US20020045577A1
; GENERAL INFORMATION:
; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinthorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2004-001
; CURRENT APPLICATION NUMBER: US/09/795,668
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,716
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 952
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-795-668-952

Query Match      83.5%; Score 42.6; DB 10; Length 401;
Best Local Similarity 88.2%; Pred. No. 3.1e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACCAGCCTGGACAACCTTGGAGAAGAACCCGGTCTCTACAAAAAATACA 51
Db 84 TCAAGACCAGCCTGGACAACATGGAAAAACCCCTGTCTCTACAAAAAATACA 34

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RESULT 7
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1903
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-504-1903

Query Match      83.5%; Score 42.6; DB 9; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

; APPLICANT: Stefansson, Hreinn
; APPLICANT: Steinhorsdottir, Valgerdur
; APPLICANT: Gulcher, Jeffrey R.
; TITLE OF INVENTION: HUMAN SCHIZOPHRENIA GENE
; FILE REFERENCE: 2345.2005-001
; CURRENT APPLICATION NUMBER: US/09/795,686
; CURRENT FILING DATE: 2001-02-28
; PRIOR APPLICATION NUMBER: US 09/515,715
; PRIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 1531
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 952
; LENGTH: 401
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-795-686-952

Query Match      83.5%; Score 42.6; DB 10; Length 401;
Best Local Similarity 88.2%; Pred. No. 3.1e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 TCAAGACCAGCCTGGACAACTTGGGAAGAACCGSGTCTCTACAAAAAATACA 51
|||||
Db 84 TCAAGACCAGCCTGGGAACATGTGAAAAACCCCTGTCTCTACAAAAAATACA 34

RESULT 8
US-10-091-504-1902
; Sequence 1902, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1902
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-504-1902

Query Match      83.5%; Score 42.6; DB 9; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 TCAAGACCAGCCTGGACAACTTGGGAAGAACCGSGTCTCTACAAAAAATACA 51
|||||
Db 2690 TCAAGACCAGCCTGGACAACTTGGTGAACCCCTGTCTCTACAAAAAATACA 2740

RESULT 9
US-10-091-504-1903
; Sequence 1903, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1903
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-504-1903

Query Match      83.5%; Score 42.6; DB 9; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 TCAAGACCAGCCTGGACAACTTGGGAAGAACCGSGTCTCTACAAAAAATACA 51
|||||
Db 2690 TCAAGACCAGCCTGGACAACTTGGTGAACCCCTGTCTCTACAAAAAATACA 2740

RESULT 10
US-09-764-869-1902
; Sequence 1902, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1902
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1902

Query Match      83.5%; Score 42.6; DB 10; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 TCAAGACCAGCCTGGACAACTTGGGAAGAACCGSGTCTCTACAAAAAATACA 51
|||||
Db 2690 TCAAGACCAGCCTGGACAACTTGGTGAACCCCTGTCTCTACAAAAAATACA 2740

RESULT 11
US-09-764-869-1903
; Sequence 1903, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1903
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1903

Query Match      83.5%; Score 42.6; DB 10; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 TCAAGACCAGCCTGGACAACTTGGGAAGAACCGSGTCTCTACAAAAAATACA 51
|||||
Db 2690 TCAAGACCAGCCTGGACAACTTGGTGAACCCCTGTCTCTACAAAAAATACA 2740

RESULT 12
US-09-764-869-1903
; Sequence 1903, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1903
; LENGTH: 4962
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-1903

Query Match      83.5%; Score 42.6; DB 10; Length 4962;
Best Local Similarity 88.2%; Pred. No. 5.4e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 1 TCAAGACCAGCCTGGACAACTTGGGAAGAACCGSGTCTCTACAAAAAATACA 51
|||||
Db 2690 TCAAGACCAGCCTGGACAACTTGGTGAACCCCTGTCTCTACAAAAAATACA 2740
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US-09-151-376-3/c
; Sequence 3, Application US/09151376
; Publication No. US2003004383A1
; GENERAL INFORMATION:
; APPLICANT: Henderson, D.R.
; APPLICANT: Schuur, E.R.
; TITLE OF INVENTION: TISSUE SPECIFIC VIRAL VECTORS
; FILE REFERENCE: 34802200221
; CURRENT APPLICATION NUMBER: US/09/151,376
; CURRENT FILING DATE: 1998-09-10
; EARLIER APPLICATION NUMBER: 08/669,753
; EARLIER FILING DATE: 1996-06-26
; EARLIER APPLICATION NUMBER: 08/495,034
; EARLIER FILING DATE: 1995-06-27
; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 12047
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-151-376-3

Query Match      83.5%; Score 42.6; DB 9; Length 12047;
Best Local Similarity 88.2%; Pred. No. 6.5e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACCTTGGAGAACCSCGGTCTCTACAAAAATACA 51
Db 1985 TCAAGACGAGCTGGCCAACATGGCAAAACCCCGTCTCTACAAAAATACA 1935

RESULT 13
US-09-814-357-11/c
; Sequence 11, Application US/09814357
; Publication No. US20030068307A1
; GENERAL INFORMATION:
; APPLICANT: Yu, De-Chao
; APPLICANT: Chen, Yu
; APPLICANT: Henderson, Daniel R.
; TITLE OF INVENTION: METHODS OF TREATING NEOPLASIA
; TITLE OF INVENTION: WITH COMBINATION TARGET CELL-SPECIFIC ADENOVIRUS,
; FILE REFERENCE: 348022001600
; CURRENT APPLICATION NUMBER: US/09/814,357
; CURRENT FILING DATE: 2001-10-15
; PRIOR APPLICATION NUMBER: 60/192,015
; PRIOR FILING DATE: 2000-03-24
; NUMBER OF SEQ ID NOS: 35
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 12047
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Human glandular kallikrein-TRE
US-09-814-357-11

Query Match      83.5%; Score 42.6; DB 9; Length 12047;
Best Local Similarity 88.2%; Pred. No. 6.5e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACCTTGGAGAACCSCGGTCTCTACAAAAATACA 51
Db 1985 TCAAGACGAGCTGGCCAACATGGCAAAACCCCGTCTCTACAAAAATACA 1935

RESULT 14
US-09-392-822-5/c
; Sequence 5, Application US/09392822
; Publication No. US20010053352A1
; GENERAL INFORMATION:
; APPLICANT: Yu, De Chao
; APPLICANT: Henderson, Daniel
```

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; TITLE OF INVENTION: Adenovirus Vectors Containing Cell
; TITLE OF INVENTION: Status-Specific Response Elements and Methods of Use Thereof
; FILE REFERENCE: 348022001200
; CURRENT APPLICATION NUMBER: US/09/392,822
; CURRENT FILING DATE: 1999-09-09
; EARLIER APPLICATION NUMBER: 60/099,791
; EARLIER FILING DATE: 1998-09-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 12047
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-392-822-5

Query Match      83.5%; Score 42.6; DB 10; Length 12047;
Best Local Similarity 88.2%; Pred. No. 6.5e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACCTTGGAGAACCSCGGTCTCTACAAAAATACA 51
Db 1985 TCAAGACGAGCTGGCCAACATGGCAAAACCCCGTCTCTACAAAAATACA 1935

RESULT 15
US-09-875-228-1/c
; Sequence 1, Application US/09875228
; Patent No. US20020136707A1
; GENERAL INFORMATION:
; APPLICANT: Yu, D.
; APPLICANT: Henderson, D.R.
; APPLICANT: Schuur, E.R.
; TITLE OF INVENTION: A HUMAN GLANDULAR KALLIKREIN ENHANCER, VECTORS COMPRISING THE
; FILE REFERENCE: 348022000900
; CURRENT APPLICATION NUMBER: US/09/875,228
; CURRENT FILING DATE: 2001-06-05
; PRIOR APPLICATION NUMBER: 09/127,834
; PRIOR FILING DATE: 1998-08-03
; PRIOR APPLICATION NUMBER: 60/076,545
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: 60/054,523
; PRIOR FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 12047
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-875-228-1

Query Match      83.5%; Score 42.6; DB 10; Length 12047;
Best Local Similarity 88.2%; Pred. No. 6.5e-07;
Matches 45; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

QY 1 TCAAGACGAGCTGGACAACCTTGGAGAACCSCGGTCTCTACAAAAATACA 51
Db 1985 TCAAGACGAGCTGGCCAACATGGCAAAACCCCGTCTCTACAAAAATACA 1935

Search completed: June 14, 2003, 13:08:58
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